

PA Vaccine Conversations on Twitter

Dr. Iuliia Alieva, Dawn Robertson, Dr. Kathleen M. Carley

Vaccine Hesitancy Project Update based on February 4, 2022 – February 10, 2022

The CMU centers for:

Informed DEMocracy And Social cyber-security

Computational Analysis of Social and Organizational Systems



Carnegie Mellon University



4/3/2022

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



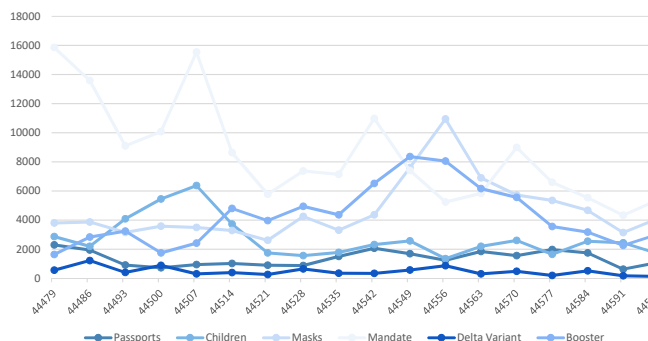
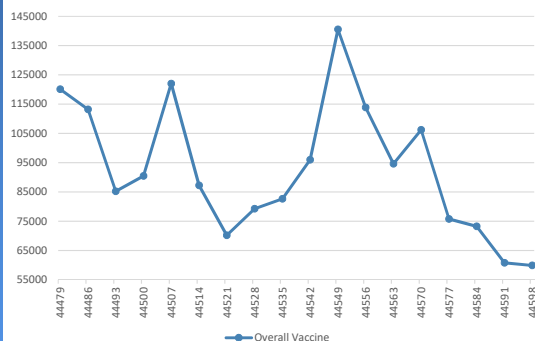
Report Overview February 4 – February 10

- ❑ This week's trending stories cover Mandates, Masks, Natural Immunity, Omicron, FDA Approval, Military, Passports;
- ❑ Trending stories: <https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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; <http://FactCheck.Org>; <https://deadline.com/2022/02/l-a-mayor-garcetti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/> L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson; <https://on.msnbc.com/3rqT2Z1> Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted); <https://www.wndnewscenter.org/dr-marty-makary-rehire-people-fired-for-being-unvaccinated/> Dr. Marty Makary: Rehire people fired for being unvaccinated; <https://newsobserver.com/news/nation-world/national/article256654672.html> Pennsylvania teen who dreamed of being life coach and loved BTS died of COVID; <https://www.washingtonpost.com/media/2022/02/06/joe-rogan-spotify-covid-death/> I'm disgusted by Joe Rogan's weak apology. My former colleague's death at 47 makes it worse;
- ❑ Anti-vax, disinformation, and vaccine hesitancy stories: <https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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://www.youtube.com/watch?v=IDzbc6NgutY> Jennifer Kehs of Pfizer being racist and Thomas Kehs being a pedo; <https://childrenshealthdefense.org/defender/pfizer-fda-lose-bid-delay-release-covid-vaccine-safety-data/> Pfizer, FDA Lose Bid to Further Delay Release of COVID Vaccine Safety Data

4/3/2022



Trends (tweets per week) February 4 – February 10



4/3/2022



High Level View by City February 4 – February 10

	Total PA	Philadelphia		Pittsburgh		Erie		Allentown/Bethlehem		Other	
Conversation	Tweets	Tweets	%	Tweets	%	Tweets	%	Tweets	%	Tweets	%
Overall Vaccine	50167	25496	50.8%	13826	27.6%	589	1.2%	8217	16.4%	2039	4.1%
Vaccine Passports	1098	510	2.0%	324	2.3%	25	4.2%	213	2.6%	26	1.3%
FDA Approval	2348	1007	3.9%	704	5.1%	10	1.7%	613	7.5%	14	0.7%
Boosters	963	504	2.0%	242	1.8%	11	1.9%	153	1.9%	53	2.6%
Employees	409	263	1.0%	84	0.6%	10	1.7%	43	0.5%	9	0.4%
"Experimental"	122	59	0.2%	33	0.2%	1	0.2%	21	0.3%	8	0.4%
Children	1161	605	2.4%	269	1.9%	17	2.9%	216	2.6%	54	2.6%
Myocarditis	248	97	0.4%	65	0.5%	3	0.5%	63	0.8%	20	1.0%
Heart	856	382	1.5%	208	1.5%	11	1.9%	218	2.7%	37	1.8%
Masks	4090	2188	8.6%	1011	7.3%	63	10.7%	539	6.6%	289	14.2%
Thrombosis/VITT	36	27	0.1%	5	0.0%			4	0.0%		
Mandates	5129	2605	10.2%	1326	9.6%	69	11.7%	883	10.7%	246	12.1%
Natural Immunity	1641	955	3.7%	441	3.2%	16	2.7%	203	2.5%	26	1.3%
Efficacy	96	52	0.2%	23	0.2%	1	0.2%	18	0.2%	2	0.1%
Omicron	1468	869	3.4%	403	2.9%	10	1.7%	152	1.8%	34	1.7%
Delta Variant	134	63	0.2%	33	0.2%	1	0.2%	13	0.2%	24	1.2%
Race	1188	660	2.6%	284	2.1%	10	1.7%	174	2.1%	60	2.9%
Ivermectin	83	48	0.2%	20	0.1%			11	0.1%	4	0.2%
Military	699	469	1.8%	119	0.9%	11	1.9%	88	1.1%	12	0.6%
Breakthrough	57	36	0.1%	13	0.1%	2	0.3%	3	0.0%	3	0.1%

4/3/2022

Trending conversations this week:

- FDA Approval
- Military
- Passports



High Level View by County February 4 – February 10

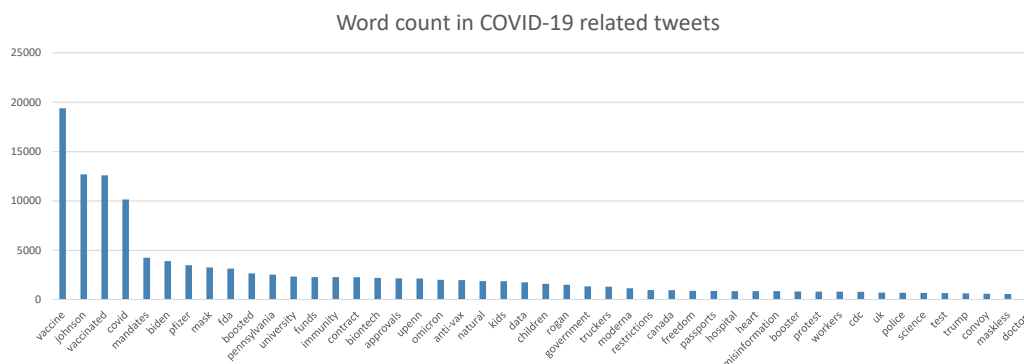
County	Allegheny	Beaver	Butler	Cambria	Fayette	Indiana	Somerset	Westmoreland
Overall Vaccine	14146	24	29	4	21	24	3	54
Vaccine Passports	326				2			
FDA	705	1						
Boosters	252		1	1		1		2
Employees	85							2
"Experimental"	36							
Children	283			1	1			3
Myocarditis	70							
Heart	222	1	1			1		1
Masks	1059	2	5	1		3	2	12
Thrombosis/VITT	5							
Mandates	1355	3	3	1	6	2		8
Natural Immunity	442		1					
Efficacy	24							
Omicron	406							
Delta Variant	36					8		1
Race	294	1	1					2
Ivermectin	21							
Military	120							
Breakthrough	13							

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 4 – February 10



4/3/2022



Top Hashtags by County February 4 – February 10

- ☐ 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	West Moreland
covid19	covid19	nfl	foxnews
vaids	lockdown	steelers	steelers
truckersconvoy2022	mandates		unafraid
steelers	vaccination		unapologetic
pfizer	pittsburgh		unvaxxed

4/3/2022



Top Hashtags by City February 4 – February 10

- ❑ 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	covid19	covid19	covid19	thetangovaccine	covid19	vaccine
pfizer	pfizer	truckersconvoy2022	vaids	covid	pfizer	covid_19
vaccine	hiv	vaccine	truckersconvoy2022	pfizer	truckersconvoy2022	pfizer
blackhistorymonth	women	pfizer	steelers	endallmandates	vaccine	steelers
pediatricsoulslostt ocovid	antivax	covaxin	pfizer	thedefender	thetangovaccine	blackhistorymonth

4/3/2022



Top URLs by County February 4 – February 10

Allegheny	Butler + Beaver	Cambria	West Moreland
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 (699)	https://www.youtube.com/watch?v=IDzbc6NgutY Jennifer Kehs of Pfizer being racist and Thomas Kehs being a pedo. (2)	https://www.wicli.com/article/proposed-georgia-law-to-get-rid-of-all-childhood-vaccination-requirements/38977250 Proposed Georgia law would end all childhood vaccination requirements (2)	https://www.geo.tv/latest/397527-dwayne-johnson-issues-apology-to-fans-for-support-towards-joe-rogan Dwayne Johnson issues apology to fans for support towards Joe Rogan (2)
http://FactCheck.Org (684)	https://childrenshealthdefense.org/defender/pfizer-fda-lose-bid-delay-release-covid-vaccine-safety-data/ Pfizer, FDA Lose Bid to Further Delay Release of COVID Vaccine Safety Data (1)	https://aaronrupar.substack.com/p/fox-news-mc-censure-cheney-kinzinger Fox News is helping Republicans bury the RNC's embrace of insurrection (1)	https://wapo.st/3oskraQ I'm disgusted by Joe Rogan's weak apology. My former colleague's death at 47 makes it worse. (1)
https://deadline.com/2022/02/1-a-mayor-garretti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson (211)	https://www.cnn.com/2022/02/07/america/canada-covid-protest-explainer/index.html The Canadian protesters aren't just truckers. Here's who has been showing up and what they want (1)	https://bbc.in/3uoxkGP Most homes to get energy bill discount of £350 (1)	https://www.foxnews.com/media/james-carville-wants-punch-unvaccinated-people James Carville: I want to punch 'piece of s--t' unvaccinated people in the face (1)
https://on.msnbc.com/3rqT2Z1 Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted) (92)	https://www.nytimes.com/2022/02/02/health/covid-vaccine-nasal.html?referringSource=articleShare The Covid Vaccine We Need Now May Not Be a Shot (1)	https://fxn.ws/3rpKEZs Shaq rips COVID vaccine mandates: 'You shouldn't be forced to take something you don't want' (1)	https://www.nytimes.com/2022/02/04/opinion/covid-denmark-end-of-pandemic.html The End of the Pandemic May Tear Us Apart (1)
https://www.wndnewscenter.org/dr-marty-makary-rehire-people-fired-for-being-unvaccinated/ Dr. Marty Makary: Rehire people fired for being unvaccinated (88)	https://www.osha.gov/sites/default/files/publications/OSHA4162.pdf COVID-19 Vaccination and Testing ETS (1)	https://twitter.com/i/events/1489335227298107392 Senior aides in Boris Johnson's government resign (1)	

Carnegie Mellon University

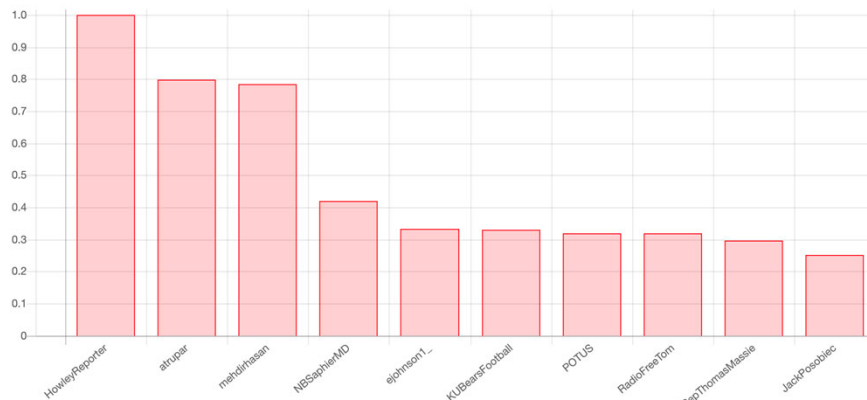
Top URLs by City February 4 – February 10

Philadelphia	Chester	Norristown	Pittsburgh	Erie	Allentown / Bethlehem	Other
https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (418)	https://on.msnbc.com/3rqT2Z1 Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted) (49)	https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (527)	https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (698)	https://www.washingtonpost.com/megadiaz/2022/02/06/joe-rogan-spotify-covid-death/ I'm disgusted by Joe Rogan's weak apology. My former colleague's death at 47 makes it worse. (24)	https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (481)	https://deadline.com/2022/02/la-mayor-garcetti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson (15)
http://FactCheck.Org (388)	https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (25)	http://FactCheck.Org (518)	http://FactCheck.Org (683)	https://deadline.com/2022/02/la-mayor-garcetti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson (8)	http://FactCheck.Org (467)	https://www.foxnews.com/health/cdc-weighs-increasing-time-between-vaccine-doses-to-lower-risk-of-heart-inflammation CDC weighs increasing time between vaccine doses to lower risk of heart inflammation (15)
https://deadline.com/2022/02/la-mayor-garcetti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson (121)	http://FactCheck.Org (24)	https://on.msnbc.com/3rqT2Z1 Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted) (58)	https://deadline.com/2022/02/la-mayor-garcetti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson (207)	https://www.goeerie.com/story/sports/high-school/2022/02/02/north-east-school-board-vote-jovan-johnson-football-coach-mercylhurst-prep-iowa-steelers-grapenickers/6641658001/ Jovan Johnson hired as North East football coach (7)	https://twitter.com/leffOnThePlains/status/149010337647288325 Oh how I wish this was true when you wrote it, @RadioFreeTom (102)	https://on.msnbc.com/3rqT2Z1 Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted) (13)
https://on.msnbc.com/3rqT2Z1 Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted) (110)	http://Trumpbookusa.com Trump book USA (13)	https://deadline.com/2022/02/la-mayor-garcetti-says-he-held-his-breath-for-maskless-photo-with-magic-johnson-1234925457/ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson (31)	https://on.msnbc.com/3rqT2Z1 Dr. Zeke Emanuel: Vaccinating children 5 and above 'seems like it's a no brainer' (deleted) (90)	http://hill.com/nhl/KmJk Shaquille O'Neal says people 'shouldn't be forced' to get COVID-19 vaccine (5)	https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (80)	https://wapo.st/3oskraQ I'm disgusted by Joe Rogan's weak apology. My former colleague's death at 47 makes it worse. (7)
https://newsobserver.com/news/national/world/article/256654672.html Pennsylvania teen who dreamed of being life coach and loved BTS died of COVID (91)	https://popularinfo.p/repulicahattorneys-general-association Republican Attorneys General Association accepts illegal contribution from RFK Jr's anti-vax group (11)	http://apnews/1x4Rqg UK report did not find COVID-19 vaccine damage immune response (28)	https://www.wndnewscenter.org/dr-marty-makary-rehire-people-fired-for-being-unvaccinated/ Dr. Marty Makary: Rehire people fired for being unvaccinated (86)	https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-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 (5)	http://FactCheck.Org (68)	https://www.businessinsider.com/johnson-and-johnson-to-shut-down-coronavirus-vaccine-production-report-2022-2 Johnson & Johnson quietly halted production of its COVID-19 vaccines. NYT (7)

Carnegie Mellon University

Analysis of Tweepsters - Super Spreaders

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

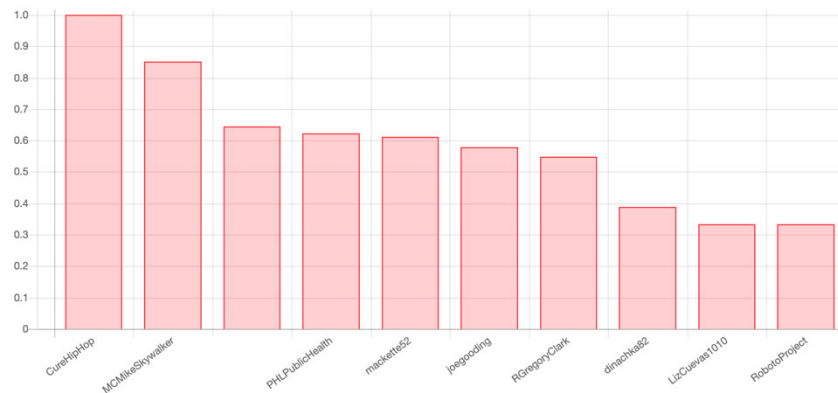


4/3/2022

12

Analysis of Tweeters - Super Friends

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

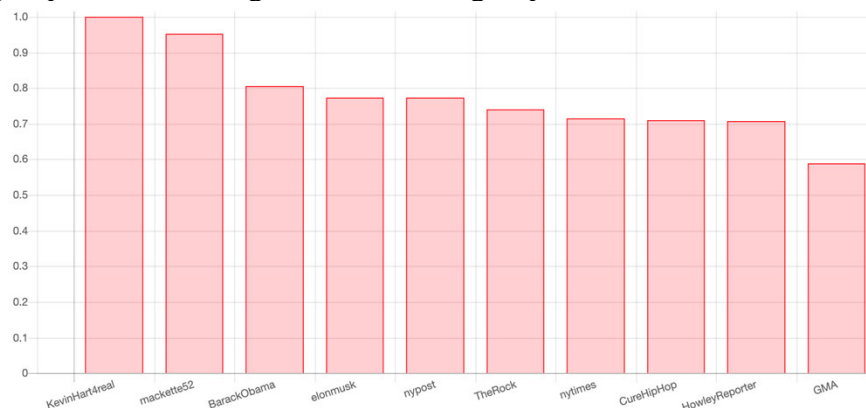


4/3/2022



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.



4/3/2



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
RadioFreeTom[+]	518
pfizer[+]	442
joerogan[+]	439
POTUS[+]	345
JackPosobiec[+]	274
US_FDA	273
RepThomasMassie[+]	264
FoxNews[+][*]	257
ggreenwald[+]	193
SHAQ	169

4/3/2022



Trending Tweets February 4 – February 10

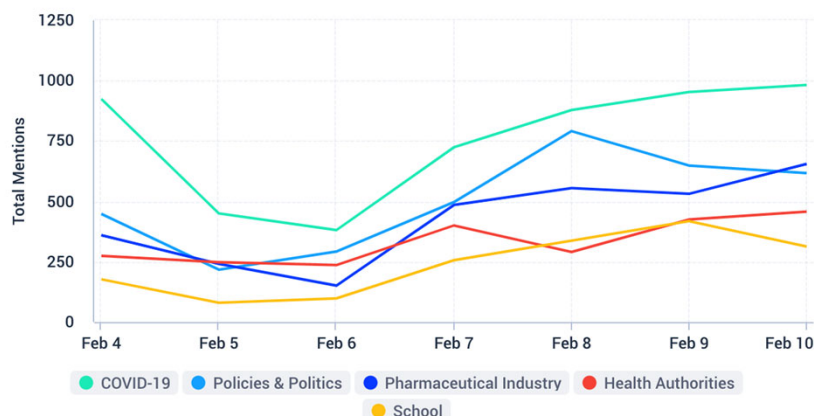
Tweets that are the most forwarded, either by retweet, reply, or quote:

- ❑ EXCLUSIVE: University of Pennsylvania, Which Funds Biden's Think Tank And Hosts <https://t.co/ipkHyi8RVB>, Has A Contract With BioNTech (from 2018) And Gets Paid For COVID Vaccine Sales And FDA Approvals! Biden got paid by UPenn. I HAVE DOCUMENTS!!! <https://t.co/VcNkniQJpy>
- ❑ The mask & vaccine mandates are doing far more harm than good. It's time to "let" anyone who wants to move on from the pandemic do so. I was criticized for saying this when Omicron began. Now, I'm doubling down as millions more have gained natural immunity and been boosted.
- ❑ Oh how I wish this was true when you wrote it, @RadioFreeTom <https://t.co/A7e30fRZxx>
- ❑ The Clippers are trading Eric Bledsoe, Justise Winslow, Keon Johnson and future second-round pick to the Trail Blazers for Norman Powell and Robert Covington, sources tell ESPN.
- ❑ L.A. Mayor Garcetti Says He Held His Breath For Maskless Photo With Magic Johnson <https://t.co/sonD5efrj9>
- ❑ "With the omicron variant, kids are either going to get the vaccine or they're likely to get a serious condition of omicron," Dr. Emanuel says. <https://t.co/neKBmMFZjN>
- ❑ Here's the deal: Unvaccinated individuals are 97 times more likely to die compared to those who are boosted. Protect yourself and those around you by getting vaccinated and boosted today.
- ❑ Troops are being involuntarily discharged for refusing Biden's forced vaccine. The next Commander-in-Chief should use the pardon power to restore them all to honorable discharges & invite them to rejoin the military.
- ❑ BIDEN: Gun manufacturers are "the only industry in America that is exempted from being sued, and I find it to be outrageous." <https://t.co/T9LU7hQLP0>
- ❑ Good morning. Its a beautiful day. Vaxxed workers tear up their vaxx passports and say no to mandates "We will not take part in this tyranny" #TruckersConvoy2022 <https://t.co/h0GevfZQA5>

4/3/2022



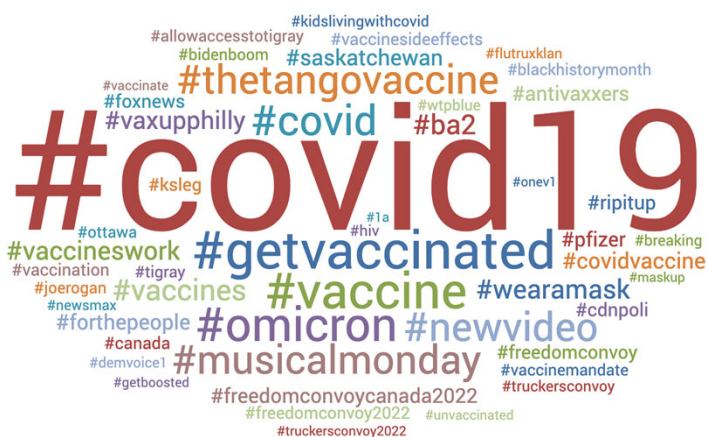
General PA Conversation February 4 – February 10



4/3/2022



PA Hashtag Cloud February 4 – February 10



4/3/2022



Trending Posts on Facebook February 4 – February 10

Sean Parnell • Feb 4, 2022 at 1:43 PM
The Chinese Communist Party unleashed COVID on the world and is committing genocide against the Uyghurs. I will not watch one second of the Olympics. They are an enemy of the United States & it's high time many of our leaders understood that. See less
2.1K 221 216

WPXI-TV Pittsburgh • Feb 7, 2022 at 11:30 AM
More time between the first two doses of COVID-19 vaccines could improve effectiveness researchers say. See less
333 237 151

Joe Biden • Feb 5, 2022 at 8:22 PM
Well...this is awkward. 220,000 deaths. If you hear nothing else I say tonight, hear this: Anyone who is responsible for that many deaths should not remain President of the United States. See less
1.6K 163 402

WJAC-TV News • Feb 7, 2022 at 3:57 PM
"Making kids who have a COVID survivability rate of 99.98% mask up like bandits – unfortunately, the thing that's getting stolen is their education, their sanity and their social skills," Maher said. [wjactv.com/news/nation-world/bill-maher-calls-mask-requirements-for-school-kids-unnecessary-and-horrible-coronavirus-covid19-hbo-students-medical-industrial-complex-misinformation-virus-medicine-free-speech](#) See less
434 71 22

Sean Parnell • Feb 8, 2022 at 3:20 PM
Democrats received their marching orders on COVID & they're lifting restrictions in blue states all over the nation but not for the reason you might think. 13.2K POST VIEWS 14.2K TOTAL VIEWS
1.1K 124 403

WJAC-TV News • Feb 7, 2022 at 6:15 PM
As hundreds of truckers shut down streets in Ottawa for a second week, their defiance of vaccine mandates and COVID-19 restrictions is threatening to spread to other countries, with activists in the United States and elsewhere eager to follow the example of the "Freedom Convoy." [wjactv.com/news/coronavirus/mandate-critics-in-us-elsewhere-see-canadian-convoy-as-model-for-resistance-truckers-protests-vaccines-republicans-trudeau-biden-trump](#) See less
656 169 40

WPXI-TV Pittsburgh • Feb 9, 2022 at 2:30 PM
Allegany County has reached a grim milestone in the COVID-19 pandemic. Grim milestone: 3,000 have died of COVID-19 in Allegheny County. See less
203 242 25

WTAE-TV Pittsburgh • Feb 4, 2022 at 7:10 PM
The two-year total, as compiled by Johns Hopkins University, is greater than the population of Indianapolis, San Francisco, or Charlotte, North Carolina. US death toll from COVID-19 hits 900,000, accelerated by omicron. See less
272 444 26

4/3/2022

Trending Posts on Instagram February 4 – February 10

nbcphiladelphia • Feb 7, 2022 at 9:59 PM
PHILLY MASK, VACCINE MANDATES TO REMAIN AS NJ, DELAWARE EASE COVID RULES
In New Jersey, the school mask mandate will end March 7, Gov. Phil Murphy said Monday. In Delaware, the indoor mask mandate will end this Friday, Feb. 11 at 11:59 p.m., Gov. John Carney said later on Monday. Carney added that the state's school mask mandate will expire March 31. Those two big developments follow already eased masking rules in Pennsylvania, where statewide school masking went optional after a lawsuit in December. The one place in the greater Philadelphia region where indoor masking has yet to get an end date is in the city of Philadelphia. A city health department spokesman told NBC10 on Monday that the city's school mask mandate, as well as requirements for masks at all indoor public space and proof of vaccination for inside dining will remain in place for the time being. Full story in the link in bio. See less
727 73

newportbuzz • Feb 9, 2022 at 11:36 AM
MASSACHUSETTS TO END SCHOOL MASK REQUIREMENT ON FEB. 28
Governor Charlie Baker announced Wednesday that Massachusetts will end their school mask requirement on Feb. 28. (link in bio) "With Massachusetts a national leader in vaccinating kids, combined with our robust testing programs, it is time to lift the mask mandate in schools and give students and staff a sense of normalcy after dealing with enormous challenges over the past two years," Gov. Charlie Baker said. "We have all the tools to keep schools safe as we move into dealing with the next phase of managing COVID." Masks will still be required on school buses because COVID-19 safety measures for transportation falls under federal control. Connecticut, New Jersey, Pennsylvania and Delaware have all lifted their mask mandates in recent days with Rhode Island expected to follow suit Wednesday afternoon. #massachusetts #schoolmasks #maskmandate #instagood #love #instastyle #boston #capecod #newportbuzz #covidmasking #schoolmaskmandate #mask #charliebaker #mass #wickedawesome #school #covidvaccine See less
525 27

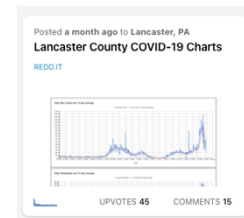
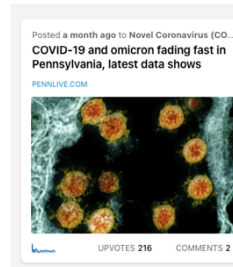
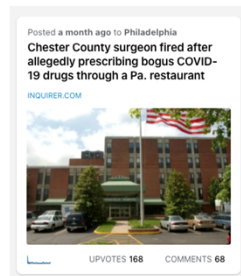
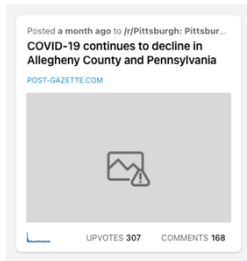
weatherindia • Feb 9, 2022 at 5:15 AM
First evidence of Omicron spilling over into wild animals found in white-tailed deer
Scientists have been increasingly concerned about interactions between humans and deer or between deer and other animals, with the coronavirus becoming ubiquitous in the US white-tailed deer population. And now, it's been proved that they had every reason to worry as nearly 20 white-tailed deer in Staten Island, New York, were found to be infected with the Omicron variety between December 2021 and January 2022, according to researchers at Pennsylvania State University. This marks the first report of Omicron spilling over to wild animals. #omicron #coronaviruspandemic #covid_19 #animals #wildlife #pennsylvania #pennsylvaniastate #stateniland #newyork #whitetaileddeer See less
336 1

kyw • Feb 4, 2022 at 9:54 AM
Philadelphia police are investigating the suspected theft of 5,000 COVID-19 vaccination cards at Pennsylvania Hospital.
A hospital senior director at #PennsylvaniaHospital said they had cases of blank vaccine cards at their COVID-19 vaccine clinic and noticed about 5,000 cards missing. N-95 masks were also taken. Investigators believe the cards may have been taken over a few days or weeks. There was no sign of forced entry. Link in bio to read more. See less
38 6

4/3/2022

CASOS
22
Carnegie Mellon University

Trending Posts on Reddit February 4 – February 10



4/3/2022



For More Information

- ❑ Director Kathleen M. Carley - kathleen.carley@cs.cmu.edu
 - ❑ <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

Copyright © 2022 Kathleen M. Carley

