

PA Vaccine Conversations and Misinformation on Twitter

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Vaccine Hesitancy Project Update based on June 11, 2021

The CMU centers for:

Informed DEMocracy And Social cyber-security

Computational Analysis of Social and Organizational Systems



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- ❑ This report is an effort to summarize social media conversations around COVID-19 issues in Pennsylvania, focusing on vaccination. It contains an analysis of the general topics about the current pandemic, such as COVID-19 regulations, mandates, masks, pro-and anti-vaccination campaigns, as well as other topics related to COVID-19 misinformation, disinformation, conspiracy theories, and vaccine hesitancy messages.
- ❑ The material contained in this report is a summary of social media content and does not represent a judgment or characterization of any individual.

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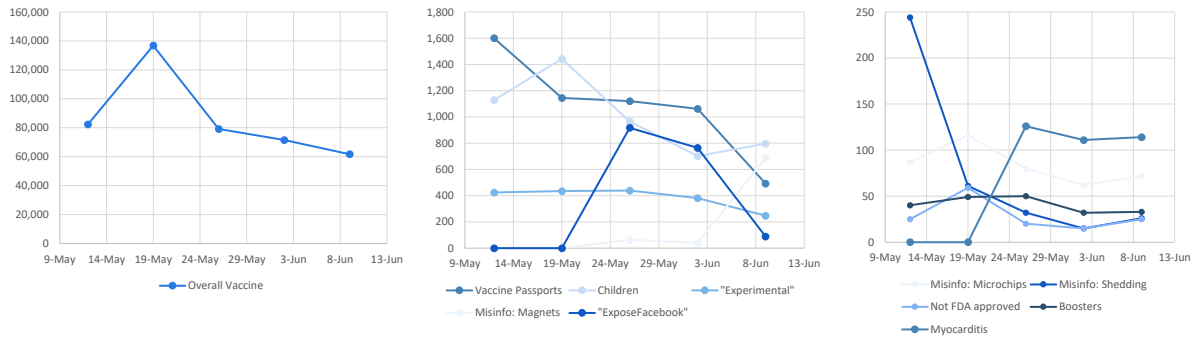


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Trends (tweets per week)



- Large increase in “Magnet”- related misinformation
- Dropoff of “ExposeFacebook” discussion, “Vaccine Passport” discussion

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High Level View June 3– June 9, 2021

	Total PA		Philadelphia		Pittsburgh		Erie		Allentown/Bethlehem		Other	
Conversation	Tweets	%	Tweets	%	Tweets	%	Tweets	%	Tweets	%	Tweets	%
Overall Vaccine	61,745	55%	33,801	55%	14,653	24%	474	1%	11,985	19%	832	1%
Vaccine Passports	493	55%	270	55%	103	21%	6	1%	101	20%	13	1%
Not FDA approved	25	40%	10	40%	10	40%	0	0%	4	16%	1	7%
Boosters	33	55%	18	55%	10	30%	0	0%	4	12%	1	3%
Misinfo: Microchips	72	78%	56	78%	12	17%	1	1%	2	3%	1	2%
Misinfo: Magnets	687	46%	315	46%	255	37%	5	1%	99	14%	13	33%
Misinfo: Shedding	26	50%	13	50%	5	19%	1	4%	6	23%	1	7%
"Experimental"	248	48%	120	48%	79	32%	4	2%	41	17%	4	1%
Children	796	54%	430	54%	209	26%	17	2%	129	16%	11	2%
Myocarditis	114	64%	73	64%	25	22%	1	1%	13	11%	2	2%
Masks	696	57%	394	57%	171	25%	2	0%	108	16%	21	2%
Infertility	16	69%	11	69%	4	25%	0	0%	1	6%	0	0%
Mandates	147	52%	76	52%	33	22%	1	1%	29	20%	8	3%
Ingredients	21	62%	13	62%	6	29%	0	0%	2	10%	0	0%
"ExposeFacebook"	89	45%	40	45%	31	35%	0	0%	17	19%	1	0%
Natural Immunity	136	52%	71	52%	34	25%	0	0%	27	20%	4	0%
Efficacy	67	52%	35	52%	9	13%	1	1%	21	31%	1	1%
Spike Proteins	126	65%	82	65%	25	20%	2	2%	15	12%	2	1%

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- No new types of stories added this week to the analysis



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