

From: Christakis, Dimitri
Sent: Tue, 18 May 2021 15:03:44 +0000
To: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP)
Subject: Re: Myocarditis

(b)(6)

Please excuse brevity and orthography as this was sent from my iPhone
Dimitri A Christakis MD MPH
Editor in Chief, *JAMA Pediatrics*
George Adkins Professor
University of Washington
Director, Center for Child Health, Behavior & Development
Seattle Childrens Research Institute
Pronouns He/His
Also see my TED talk here
https://youtu.be/BoT7qH_uVNo

On May 18, 2021, at 5:00 AM, Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP)
<ayv6@cdc.gov> wrote:

CAUTION: This email originated outside of this organization.

Dear Dimitri,

It might be best to have a quick call to discuss. Are there any good times that you are available today?

Regards,

Tom

Tom Shimabukuro, MD, MPH, MBA
Captain, U.S. Public Health Service
Deputy Director
Immunization Safety Office
Centers for Disease Control and Prevention (CDC)
1600 Clifton Road, MS V18-4, Atlanta, GA 30329
Phone: 404-498-0679, Fax: 404-498-0666
Email: TShimabukuro@cdc.gov

From: Christakis, Dimitri <dimitri.christakis@seattlechildrens.org>
Sent: Monday, May 17, 2021 6:56 PM
To: Campbell, Angela J. P. (CDC/DDID/NCIRD/DVD) <app4@cdc.gov>
Cc: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>
Subject: RE: Myocarditis

Thanks

Tom I would be happy to talk and happy to publish ASAP whatever you guys find. It's a big issue as you know. And either way if its there, if its not, or if its there but rare.

Best
d

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Cc: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>
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Hi Dimitri,
Good speaking with you today. I spoke to Tom Shimabukuro and he is the best point of contact for you, as Tom is the Deputy Director of the Immunization Safety Office. He oversees VSD (Vaccine Safety Datalink) which will eventually (hopefully soon) provide incredibly useful data.
My best,
Angie

Angela J. P. Campbell, MD, MPH
Medical Officer
Currently supporting CDC COVID-19 Response on the Epi Task Force
Multisystem Inflammatory Syndrome (MIS) Unit Lead
Respiratory Viruses Branch, Division of Viral Diseases
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention, Atlanta, GA

From: Christakis, Dimitri <dimitri.christakis@seattlechildrens.org>
Sent: Sunday, May 16, 2021 6:01 PM
To: Campbell, Angela J. P. (CDC/DDID/NCIRD/DVD) <app4@cdc.gov>
Subject: Myocarditis

Hi Angie
I hope you are well

Are you seeing an increase associated with Pfizer in kids

I rejected a small uncontrolled case series

Would welcome one from CDC either way

Happy to tslk

D

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Sent: Mon, 17 May 2021 21:18:55 +0000
To: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP); Broder, Karen (CDC/DDID/NCEZID/DHQP)
Subject: RE: Myocarditis post-vaccine in adolescents

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Thanks,
Karen

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Hi Karen,
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[redacted] (b)(5)
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FYA I am checking in with Matt and others (b)(5)

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Ok, thank you. Are there calls sooner? I think (b)(5)

(b)(5) Manish filled me in a little on what information he had through email chains – thus I am adding Sam, John, and Matt since I know they have been thick in the loop(s) already. I saw that the CISA response is ramping up, which is great. I am wondering who the CDC point person(s) or group for reference on this should be?

Specifically, I received an email from the editor of JAMA Pediatrics this weekend to say that (b)(5)

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Thanks,
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Medical Officer
Currently supporting CDC COVID-19 Response on the Epi Task Force
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Hi Angie,

We're scheduling a call for Thursday to hear from a few sites about what they are seeing. Invitations will be sent on Monday, and you and others are on the invitee list.

Theresa

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Cc: Patel, Manish (CDC/DDID/NCIRD/ID) <aul3@cdc.gov>; Zambrano, Laura (CDC/DDID/NCIRD/DVD) <xbs6@cdc.gov>
Subject: FW: Myocarditis post-vaccine in adolescents

Thanks so much, Manish.

Karen, Theresa, Tom – we are hearing quite a lot about this now, and I don't have a clear understanding of what is and has been being done. Can we please set up a time to talk? I can look for a time on the calendar and send an invite in the morning (unless there is already something scheduled – I was out last week and will be digging out for days so I may have missed emails).

Thank you,
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Subject: RE: Myocarditis post-vaccine in adolescents

Roberta Dibiasi: RDibiasi@childrensnational.org
David Wessel: DWessel@childrensnational.org

Thanks!
Jon

From: Patel, Manish (CDC/DDID/NCIRD/ID) <aul3@cdc.gov>
Sent: Thursday, May 13, 2021 12:51 PM
To: Kaltman, Jonathan (NIH/NHLBI) [E] [REDACTED] (b)(6)
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Hello Jon

Thanks for the information. We have a safety group here tracking reported events and we will ensure follow-up. Please do provide us the contact person at Children's.

Best

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elevations but fortunately were relatively mild – I don't think either kid needed the ICU. I can provide a contact person at Children's if you are interested.

Thanks,
Jon

Jonathan Kaltman, MD
Senior Scientific Advisor | Lead in Data Science
Division of Cardiovascular Sciences | National Heart, Lung, and Blood Institute
P: |

From: Campbell, Angela J. P. (CDC/DDID/NCIRD/DVD)
Sent: Mon, 17 May 2021 21:37:29 +0000
To: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP)
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Do you have a minute to talk? 404-747-6927.

Thanks,
Angie

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Division of Cardiovascular Sciences | National Heart, Lung, and Blood Institute
P: [redacted] [redacted]

From: Weintraub, Eric (CDC/DDID/NCEZID/DHQP)
Sent: Tue, 27 Apr 2021 22:09:20 +0000
To: McNeil, Michael (CDC/DDID/NCEZID/DHQP); Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP)
Subject: RE: Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots

Below is the VSD dose summary for ages 16-39.

The last record in the table is the totals, we have administered 1,315,920 total doses of Pfizer and Moderna to those 16-39 years of age.

VSD has 24 automated cases of myocarditis within 1-21 days following either dose of any mRNA vaccine.

58.3% are in males

20.9% of the cases are in those 18-39.

Onset ranges from 1 to 19 days.

Our most recent concurrent vaccinated comparison the Adjusted Ratio is .62, with a one side p-value of .930

Age Group	Moderna			Pfizer			Total mRNA		
	Dose 1	Dose 2	Total	Dose 1	Dose 2	Total	Dose 1	Dose 2	Total
16	59	21	80	19,785	3,831	23,616	19,844	3,852	23,696
17	212	101	313	22,675	5,778	28,453	22,887	5,879	28,766
18	9,461	2,822	12,283	11,795	4,038	15,833	21,256	6,860	28,116
19	9,710	3,551	13,261	11,032	4,264	15,296	20,742	7,815	28,557
20-24	61,740	28,565	90,305	69,154	32,809	101,963	130,894	61,374	192,268
25-29	81,889	43,396	125,285	95,734	51,504	147,238	177,623	94,900	272,523
30-34	103,605	57,065	160,670	123,764	69,094	192,858	227,369	126,159	353,528
35-39	112,369	64,198	176,567	134,013	77,886	211,899	246,382	142,084	388,466
Totals Age 16-39	379,045	199,719	578,764	487,952	249,204	737,156	866,997	448,923	1,315,920

From: McNeil, Michael (CDC/DDID/NCEZID/DHQP) <mmm2@cdc.gov>
Sent: Tuesday, April 27, 2021 5:03 PM
To: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>; Weintraub, Eric (CDC/DDID/NCEZID/DHQP) <eiw8@cdc.gov>
Subject: RE: Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots

Eric can provide the real numbers and may have updates for this week.

I'm attaching last week's data pull see third combined table by age/age groups eyeballing it's approx. 300,000-400,000 1st doses each of Pfizer and Moderna and approx. 10,000 2nd doses of each

From: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>
Sent: Tuesday, April 27, 2021 4:21 PM
To: Weintraub, Eric (CDC/DDID/NCEZID/DHQP) <eiw8@cdc.gov>; McNeil, Michael (CDC/DDID/NCEZID/DHQP) <mmm2@cdc.gov>
Subject: FW: Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots

Do we know how many Pfizer and Moderna doses have been administered in patients up to age 40 in VSD?

From: Markowitz, Lauri (CDC/DDID/NCIRD/DVD) <lem2@cdc.gov>
Sent: Tuesday, April 27, 2021 4:14 PM
To: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>; Gee, Julianne (CDC/DDID/NCEZID/DHQP) <dzg2@cdc.gov>
Subject: FW: Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots

Fyi – Bob sent this to VaST members

From: Schechter, Robert@CDPH <Robert.Schechter@cdph.ca.gov>
Sent: Tuesday, April 27, 2021 3:37 PM
To: Markowitz, Lauri (CDC/DDID/NCIRD/DVD) <lem2@cdc.gov>; Daley, Matt <Matthew.F.Daley@kp.org>; Edwards, Kathy <kathryn.edwards@vumc.org>; Hopkins, Bob <hopkinsroberth@uams.edu>; Jackson, Lisa <Lisa.A.Jackson@kp.org>; Lee, Grace <GMLee@stanfordchildrens.org>; McNally, Veronica <valent29@law.msu.edu>; Patricia Whitley-Williams (<whitlepn@rwjms.rutgers.edu> <whitlepn@rwjms.rutgers.edu>); Riley, Laura <lar9110@med.cornell.edu>; Talbot, Keipp <keipp.talbot@vumc.org>; Wharton, Melinda (CDC/DDID/NCIRD/ISD) <mew2@cdc.gov>
Subject: Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots

Sorry if duplicate

From: Chang, Harry P LTC USARMY (USA) <harry.p.chang.mil@mail.mil>
Sent: Tuesday, April 27, 2021 12:23 PM
To: Mitchell.Medigovich@CalOES.ca.gov; lori.nezhura@caloes.ca.gov; Blocher, Tricia@CDPH <Tricia.Blocher@cdph.ca.gov>
Cc: Joseph, Grady@CalOES <grady.joseph@caloes.ca.gov>; Green, Marvin R III COL USARMY NG CAARNG (USA) <marvin.r.green.mil@mail.mil>; Markert, Daniel T COL USARMY NG CAARNG (USA) <daniel.t.markert.mil@mail.mil>; Johnson, Mark P CW4 USARMY SOCOM (USA) <mark.p.johnson34.mil@mail.mil>
Subject: Trending news for 04.27.21

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All,

Today's trending news and analysis is robust as some significant noteworthy items have occurred. I would like to draw attention to prelim heart inflammation cases possibly associated w/ Pfizer/Moderna vaccines.

Vaccine Updates/Analysis

"Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots"

<https://www.military.com/daily-news/2021/04/26/pentagon-track-14-cases-of-heart-inflammation-troops-after-covid-19-shots.html>

- The Israel Health Ministry was first reported to be investigating heart inflammation (myocarditis) reports resulting from the Pfizer vaccine
- **DOD is reporting 14 cases since March**
 - 11 service members received the Moderna vaccine; 3 service members received the Pfizer vaccine
 - 1 service member developed myocarditis after the first shot; 13 service members developed it after the second shot
 - A civilian member of the Pentagon Press Corps, Marcus Weisgerber, 39, developed myocarditis after his second Pfizer shot (not part of the 14 DOD cases)
- **VAERS (Vaccine Adverse Event Report System), of Friday showed at least 45 reports of myocarditis following COVID-19 vaccines**
 - Majority of cases occurred after the second dose; 19 cases reported after the Pfizer vaccine and 26 after the Moderna vaccine
- 62% of the American cases reported were in men, most between the ages of 20 and 45
 - One reported 19-year-old male six days after receiving his first dose
- **The report is not yet widely tracked in media, but is expected to gain attention in the next few days**
 - **A pause of the Pfizer/Moderna administration (much like the J&J blood clot pause) will have an adverse impact on US/CA vaccination rates; assessed as unlikely due to causes of myocarditis can come from multiple sources (eg. COVID, other conditions, other vaccines/prescriptions, etc)**

- **However, increasing reported #s & media attention is likely to trigger a safety review pause by ACIP/FDA**

- Likely to add to further concerns by general public over vaccine safety and make the "vaccine wall" more challenging to overcome

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