

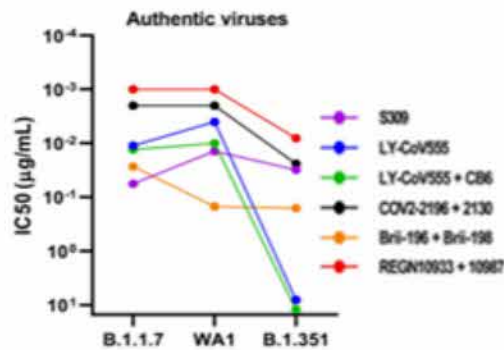
**From:** Brooks, John T. (CDC/DDID/NCHHSTP/DHP)  
**Sent:** Mon, 8 Mar 2021 23:12:36 +0000  
**To:** Beach, Michael J. (CDC/DDID/NCEZID/DFWED); Berger, Sherri (CDC/OCOO/OD); Brooks, John T. (CDC/DDID/NCHHSTP/DHP); Butler, Jay C. (CDC/DDID/OD); Christie, Athalia (CDC/DDPHSIS/CGH/OD); Goldstein, Robert (CDC/OD/OADPS); McDonald, Clifford (CDC/DDID/NCEZID/DHQP); Ogden, Cynthia L. (CDC/DDPHSS/NCHS/DHNES); Schuchat, Anne MD (CDC/OD); Walensky, Rochelle (CDC/OD); Walke, Henry (CDC/DDID/NCEZID/DPEI)  
**Subject:** FW: Director's Daily Update March 8, 2021

Happy Monday!



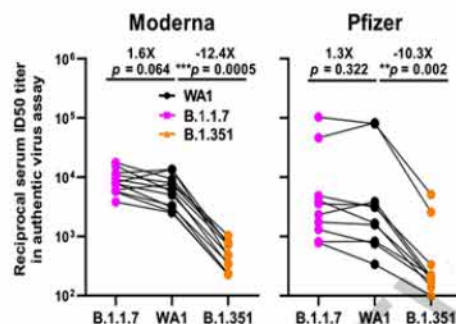
March 8, 2021, 5 Articles

B.1.351, which has the E484K mutation, is resistant to multiple monoclonal antibodies and threatens the protection of current mRNA vaccines.



Note: Changes in neutralization IC50 of authorized or investigational therapeutic monoclonal antibodies against B.1.1.7, WT (WA1), B.1.351 viruses.

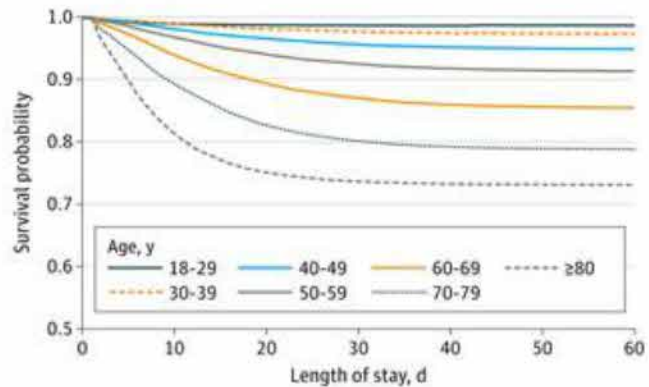
[Antibody Resistance of SARS-CoV-2 Variants B.1.351 and B.1.1.7](#), Nature Wang *et al.* (March 8, 2021)



Note: Changes in neutralization IC50 of sera from vaccinees against B.1.1.7, WT (WA1), B.1.351 viruses.

Among 192,550 adults hospitalized with COVID-19 in 555 US medical centers from March-August 2020, in-hospital mortality was high (13.6%) and increased with increasing age; there was a significant reduction in mortality from March (22.1%) to August (6.5%).

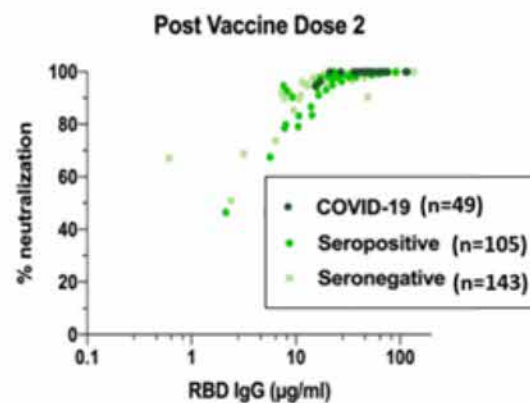
[Outcomes and Mortality Among Adults Hospitalized With COVID-19 at US Medical Centers.](#) JAMA Nguyen *et al.* (March 5, 2021)



Note: In-hospital mortality among adults with COVID-19 by age: US

Two doses of mRNA vaccine are needed to reach equivalently high levels of IgG and neutralization activity among seropositive, with and without history of prior COVID-19, and seronegative persons.

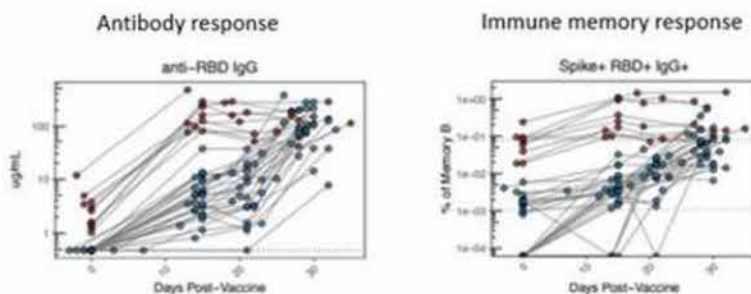
[Comparison of IgG and neutralizing antibody responses after one or two doses of COVID-19 mRNA vaccine in previously infected and uninfected persons.](#) medRxiv Demombeun *et al.* (Preprint, March 8, 2021)



Note: Anti-RBD IgG concentration and % neutralization increased dramatically after two doses among seropositive and seronegative samples.

mRNA vaccine induced significant antibody immunological memory responses following two doses among seronegative persons and one dose among seropositive persons.

[Longitudinal Analysis Reveals Distinct Antibody and Memory B Cell Responses in SARS-CoV2 Naïve and Recovered Individuals Following mRNA Vaccination.](#) medRxiv Goel *et al.* (Preprint, March 6, 2021)



Note: Concentration of anti-RBD IgG antibodies and immune response as frequency of antigen specific IgG+ memory B cells over time in SARS-CoV2 naïve and SARS-CoV2 recovered vaccinated individuals.

Dotted lines indicate the limit of detection for the assay.

Professional athletes with prior COVID-19 illness have low prevalence of inflammatory heart disease and can safely return to play with implementation of current cardiovascular risk stratification practices.

Cross-sectional study of 789 professional athletes who underwent return-to-play cardiac screening.

[Prevalence of inflammatory heart disease among professional athletes with prior COVID-19 infection who received systematic return-to-play cardiac screening.](#) JAMA Cardiology Martinez *et al.* (March 4, 2021)

30 (3.8%) athletes received additional testing after screening; of whom 5 (0.6%) has inflammatory heart disease: 3 with myocarditis and 2 with pericarditis.

All 5 athletes had preceding symptoms consistent with moderate COVID-19 illness (such as loss of taste and smell, nonspecific fatigue, and cough without dyspnea).

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**From:** Walke, Henry (CDC/DDID/NCEZID/DPEI)  
**Sent:** Tue, 27 Apr 2021 14:33:40 +0000  
**To:** Walensky, Rochelle (CDC/OD)  
**Cc:** Schuchat, Anne MD (CDC/OD); Berger, Sherri (CDC/OCOO/OD)  
**Subject:** FW: Myocarditis

See below

---

**From:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>  
**Sent:** Tuesday, April 27, 2021 10:22 AM  
**To:** Walke, Henry (CDC/DDID/NCEZID/DPEI) <hfw3@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>  
**Cc:** Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Greco Kone, Rebecca (CDC/DDPHSIS/OD) <ftm1@cdc.gov>; Fox, Kimberley (CDC/DDID/NCIRD/DBD) <kaf6@cdc.gov>; Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <dbc0@cdc.gov>  
**Subject:** Myocarditis

Henry

I think I sent this to you yesterday. Denise C and I discussed.

Hope this is what you need.

Best

Dana

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**From:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <[ayv6@cdc.gov](mailto:ayv6@cdc.gov)>  
**Sent:** Monday, April 26, 2021 2:43 PM  
**To:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <[tnc4@cdc.gov](mailto:tnc4@cdc.gov)>; Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <[dbc0@cdc.gov](mailto:dbc0@cdc.gov)>  
**Cc:** Coffin, Nicole (CDC/DDID/NCEZID/DHQP) <[ndc3@cdc.gov](mailto:ndc3@cdc.gov)>; Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <[aws8@cdc.gov](mailto:aws8@cdc.gov)>; Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <[vmo0@cdc.gov](mailto:vmo0@cdc.gov)>  
**Subject:** RE: Please read: Myocarditis

(b)(5)

(b)(5)

#### Questions and discussion

(b)(5)

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**From:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <[tnc4@cdc.gov](mailto:tnc4@cdc.gov)>  
**Sent:** Monday, April 26, 2021 1:59 PM  
**To:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <[dbc0@cdc.gov](mailto:dbc0@cdc.gov)>; Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <[ayv6@cdc.gov](mailto:ayv6@cdc.gov)>  
**Cc:** Coffin, Nicole (CDC/DDID/NCEZID/DHQP) <[ndc3@cdc.gov](mailto:ndc3@cdc.gov)>; Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <[aws8@cdc.gov](mailto:aws8@cdc.gov)>; Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <[vmo0@cdc.gov](mailto:vmo0@cdc.gov)>  
**Subject:** RE: Please read: Myocarditis

Thanks, Denise.

(b)(5)

tom

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**From:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <[dbc0@cdc.gov](mailto:dbc0@cdc.gov)>

**Sent:** Monday, April 26, 2021 1:42 PM

**To:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <[tnc4@cdc.gov](mailto:tnc4@cdc.gov)>; Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <[ayv6@cdc.gov](mailto:ayv6@cdc.gov)>

**Cc:** Coffin, Nicole (CDC/DDID/NCEZID/DHQP) <[ndc3@cdc.gov](mailto:ndc3@cdc.gov)>; Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <[aws8@cdc.gov](mailto:aws8@cdc.gov)>; Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <[vmo0@cdc.gov](mailto:vmo0@cdc.gov)>

**Subject:** Please read: Myocarditis

**Importance:** High

Tom C and Tom S,

(b)(5)

Thanks,  
Denise.

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**From:** Coffin, Nicole (CDC/DDID/NCEZID/DHQP) <[ndc3@cdc.gov](mailto:ndc3@cdc.gov)>

**Sent:** Monday, April 26, 2021 1:13 PM

**To:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <[dbc0@cdc.gov](mailto:dbc0@cdc.gov)>; Kroop, Seth (CDC/DDID/NCEZID/DHQP) <[wpw7@cdc.gov](mailto:wpw7@cdc.gov)>; Moran, Kerri (CDC/DDID/NCEZID/DHQP) <[ytb5@cdc.gov](mailto:ytb5@cdc.gov)>; Joshi, Cecilia (CDC/DDID/NCEZID/DHQP) <[any9@cdc.gov](mailto:any9@cdc.gov)>

**Cc:** Schindelar, Jessica (CDC/DDID/NCEZID/DHQP) <[ghq1@cdc.gov](mailto:ghq1@cdc.gov)>

**Subject:** FW: Myocarditis

FYSA, in case asked in other channels.

(b)(5)

(b)(5)

**From:** Walensky, Rochelle (CDC/OD)  
**Sent:** Tue, 27 Apr 2021 20:56:38 +0000  
**To:** McDonald, Jason (CDC/OD/OADC)  
**Cc:** Berger, Sherri (CDC/OCOO/OD); Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD)  
**Subject:** RE: Afternoon Roundup

Nice – team work! I just get to deliver the magic you make happen.  
Thank you!  
R

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**From:** McDonald, Jason (CDC/OD/OADC) <gnf0@cdc.gov>  
**Sent:** Tuesday, April 27, 2021 4:47 PM  
**To:** Walensky, Rochelle (CDC/OD) <aux7@cdc.gov>  
**Cc:** Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <aws8@cdc.gov>  
**Subject:** Afternoon Roundup

**AP Fort Lauderdale...**[Turnout has been so low for the Johnson & Johnson single-shot vaccine at Florida's FEMA-run sites that about 90% of the supply has gone unused following a 11-day pause, health officials said. The federally-run vaccine site at Valencia College's West Campus in Orlando only administered 268 doses of the 3,000 Johnson & Johnson vaccines that were available on Sunday, site spokesman Ian Ohlin told the Orlando Sentinel. For much of the day, there was "little to no wait," Ohlin said. A similar story played out in Miami, where by Monday afternoon, officials at the Miami had only administered 303 doses of the vaccine of about 3,000 that were available. Shirley Harrison had planned to receive the single-shot vaccine Sunday, she [told](#) WSVN-TV. "I heard was going on, and I just changed my mind. I said, 'I'll do Pfizer,'" she said.]

**Reuters...** The U.S. Centers for Disease Control and Prevention (CDC) has not found a link between heart inflammation and COVID-19 vaccines, the agency's Director Rochelle Walensky said on Tuesday.

#### **TODAY'S ANNOUNCEMENT**

**Mission accomplished...**CNN ran clip of you talking from the WH press briefing, which means they found it good to run 2:30 minutes. Well done! - [CDC issues new outdoor face mask guidance for fully vaccinated people - CNN](#)

**Mission accomplished twice...**Bloomberg - [Fully-Vaccinated Americans Can Go Unmasked in Outdoor Settings: CDC's Rochelle Walensky - Bloomberg](#)

**Mission accomplished thrice...**YAHOO News posted entire opening statement. You obviously impressed the media today - [CDC loosens mask guidelines for fully vaccinated individuals \(yahoo.com\)](#)

**YAHOO News...** Get the vax and drop the mask. Fully vaccinated people no longer need to wear face masks outdoors unless they're in large crowds with strangers, according to new public health guidelines unveiled by the Biden administration on Tuesday. Dr. Rochelle Walensky, the director of the Centers for Disease Control and Prevention, told reporters on a conference call that the relaxed guidance reflects



the success of the administration's campaign to vaccinate the U.S. out of the coronavirus pandemic. "Today is another day we can take a step back to the normalcy of before," Walensky said. The CDC guidance does not hold legal power. New York's mask mandate — which requires face coverings in any setting where six feet of social distancing isn't possible — was still technically in effect as of Tuesday afternoon. It was not immediately clear if Gov. Cuomo would lift it. Mayor de Blasio suggested that he still wants New Yorkers to err on the side of caution.

"The federal government is saying you don't have to. I think a lot of people will still choose to — or at least a lot of the time — will choose to," he said in a briefing from City Hall. "I expect a lot of the time, I will for sure, but it will depend on the circumstance." Jay Varma, a top de Blasio health adviser, echoed his boss' sentiment and said that while increased vaccinations support the CDC's move, he also noted how the Big Apple is unique among American cities when it comes to population density. "Our environment is very different than most parts of the United States, where people drive in cars and they're not walking on a crowded busy, street around other people," he said. "So we also have to factor in things like norms, politeness, getting people habituated with the fact that they still need a wear a mask if they're going to be entering an indoor setting."

**Washington Post updated story...** [President Biden celebrated the change in later remarks, urging people to get inoculated not just to protect themselves and those around them, but so they can live more normally, by "getting together with friends, going to the park for a picnic without needing a mask." "Over the past year, we have spent a lot of time telling Americans what they cannot do, what they should not do," CDC Director Rochelle Walensky said at a White House briefing. "Today, I'm going to tell you some of the things you can do if you are fully vaccinated." Even before the CDC's announcement, some states were already moving to ease mask mandates: Kentucky Gov. Andy Beshear (D) on Monday cleared groups of fewer than 1,000 to gather outside without masks. Massachusetts Gov. Charlie Baker (R) on Tuesday said his state's rule requiring masks outdoors would expire Friday, except in certain situations where social distancing is impossible.

**POLITICO...** Fully vaccinated people no longer need to wear masks indoors or outdoors when in small groups with other fully vaccinated friends and family, and in some circumstances can go maskless with unvaccinated people, the Centers for Disease Control and Prevention said Tuesday. "The message is clear: 'You're vaccinated, guess what? You get to return to a more normal lifestyle. If you're not vaccinated, you're still in danger as well. So get vaccinated,'" Health and Human Services Secretary Xavier Becerra said in an appearance on CBS' "This Morning," hours before the guidelines were released. Ashish Jha, the dean of the Brown University School of Public Health, said Tuesday the CDC will likely more quickly issue updates to public health guidelines moving forward now that more Americans are vaccinated. "Today, any adult in America who wants a vaccine can get one," Jha said. "I think that changes the degrees of freedom CDC has, because it also knows that it can't just put out guidelines without thinking about how those guidelines will be used. So I appreciate people's criticism — the CDC has felt a little slow at times. I think they are trying to balance both scientific communication as well as the way it will shape policy."

**Kansas City Star...** As millions of Americans receive COVID-19 shots every day, federal health officials acknowledge that fully vaccinated people can safely — and slowly — crawl back to pre-pandemic normalcy.

**From:** Walke, Henry (CDC/DDID/NCEZID/DPEI)  
**Sent:** Mon, 19 Apr 2021 13:46:06 +0000  
**To:** Schuchat, Anne MD (CDC/OD); Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID); Walensky, Rochelle (CDC/OD)  
**Subject:** RE: Eric Topol tweet

<https://twitter.com/EricTopol/status/1384133568004169734?s=20>

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**From:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>  
**Sent:** Monday, April 19, 2021 9:42 AM  
**To:** Walke, Henry (CDC/DDID/NCEZID/DPEI) <hfw3@cdc.gov>; Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>; Walensky, Rochelle (CDC/OD) <aux7@cdc.gov>  
**Subject:** Eric Topol tweet

Asked about pericarditis after mrna vaccine. Is that one of the things vsd or others track for

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**From:** Walensky, Rochelle (CDC/OD)  
**Sent:** Wed, 28 Apr 2021 19:43:13 +0000  
**To:** Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD)  
**Cc:** McDonald, Jason (CDC/OD/OADC); Berger, Sherri (CDC/OCOO/OD); Goldstein, Robert (CDC/OD/OADPS); Warner, Agnes (CDC/OD/OCS)  
**Subject:** RE: Myocarditis TPs

Great – [redacted] (b)(5) ?  
Thank you for running this down...  
R

---

**From:** Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <aws8@cdc.gov>  
**Sent:** Wednesday, April 28, 2021 3:13 PM  
**To:** Walensky, Rochelle (CDC/OD) <aux7@cdc.gov>  
**Cc:** McDonald, Jason (CDC/OD/OADC) <gnf0@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Goldstein, Robert (CDC/OD/OADPS) <qyd2@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>  
**Subject:** RE: Myocarditis TPs

Rochelle,

[redacted] (b)(5)

Re: Israel – [redacted] (b)(5)

Please let me know if you need more.

Regards,

Abbigail

---

**From:** Walensky, Rochelle (CDC/OD) <[aux7@cdc.gov](mailto:aux7@cdc.gov)>  
**Sent:** Wednesday, April 28, 2021 1:59 PM  
**To:** Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <[aws8@cdc.gov](mailto:aws8@cdc.gov)>  
**Cc:** McDonald, Jason (CDC/OD/OADC) <[gnf0@cdc.gov](mailto:gnf0@cdc.gov)>; Berger, Sherri (CDC/OCOO/OD) <[sob8@cdc.gov](mailto:sob8@cdc.gov)>; Goldstein, Robert (CDC/OD/OADPS) <[qyd2@cdc.gov](mailto:qyd2@cdc.gov)>; Warner, Agnes (CDC/OD/OCS) <[bli8@cdc.gov](mailto:bli8@cdc.gov)>  
**Subject:** RE: Myocarditis TPs

Very helpful... [redacted] (b)(5) ?

[redacted] (b)(5) ?

Thank you!  
R

---

**From:** Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <[aws8@cdc.gov](mailto:aws8@cdc.gov)>  
**Sent:** Wednesday, April 28, 2021 1:49 PM  
**To:** Walensky, Rochelle (CDC/OD) <[aux7@cdc.gov](mailto:aux7@cdc.gov)>  
**Cc:** McDonald, Jason (CDC/OD/OADC) <[gnf0@cdc.gov](mailto:gnf0@cdc.gov)>; Berger, Sherri (CDC/OCOO/OD) <[sob8@cdc.gov](mailto:sob8@cdc.gov)>; Goldstein, Robert (CDC/OD/OADPS) <[qyd2@cdc.gov](mailto:qyd2@cdc.gov)>; Warner, Agnes (CDC/OD/OCS) <[bli8@cdc.gov](mailto:bli8@cdc.gov)>  
**Subject:** RE: Myocarditis TPs

Rochelle,

(b)(5)

**Notes from DoD discussion** (not for public release, but for your awareness)

(b)(5)

**Questions and discussion**

(b)(5)

Regards,

Abbigail

---

**From:** Walensky, Rochelle (CDC/OD) <[aux7@cdc.gov](mailto:aux7@cdc.gov)>  
**Sent:** Wednesday, April 28, 2021 9:56 AM  
**To:** Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <[aws8@cdc.gov](mailto:aws8@cdc.gov)>  
**Subject:** Myocarditis TPs

(b)(5)

Thanks!  
R

**From:** Walke, Henry (CDC/DDID/NCEZID/DPEI)  
**Sent:** Mon, 19 Apr 2021 15:07:50 +0000  
**To:** Walensky, Rochelle (CDC/OD); Schuchat, Anne MD (CDC/OD)  
**Cc:** Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD)  
**Subject:** RE: Pericarditis and Mrna vaccines

Yep on it.

---

**From:** Walensky, Rochelle (CDC/OD) <aux7@cdc.gov>  
**Sent:** Monday, April 19, 2021 11:06 AM  
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>  
**Cc:** Walke, Henry (CDC/DDID/NCEZID/DPEI) <hfw3@cdc.gov>; Tumpey, Abbigail (CDC/DDPHSS/CSELS/OD) <aws8@cdc.gov>  
**Subject:** RE: Pericarditis and Mrna vaccines

Much – great – thank you!

Henry – a reported asked me for differences in vaccine uptake by rural/urban.

(b)(5)

(b)(5)

Thank yoU!

R

---

**From:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>  
**Sent:** Monday, April 19, 2021 11:03 AM  
**To:** Walensky, Rochelle (CDC/OD) <aux7@cdc.gov>  
**Cc:** Walke, Henry (CDC/DDID/NCEZID/DPEI) <hfw3@cdc.gov>  
**Subject:** Fwd: Pericarditis and Mrna vaccines

More reassuring

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**From:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>  
**Sent:** Monday, April 19, 2021 11:01 AM  
**To:** Schuchat, Anne MD (CDC/OD); Walke, Henry (CDC/DDID/NCEZID/DPEI)  
**Subject:** FW: Pericarditis and Mrna vaccines

FYI

---

**From:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>  
**Sent:** Monday, April 19, 2021 10:28 AM  
**To:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Oliver, Sara Elizabeth (CDC/DDID/NCIRD/DVD) <yxo4@cdc.gov>  
**Cc:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <tnc4@cdc.gov>  
**Subject:** RE: Pericarditis and Mrna vaccines

(b)(5)

---

**From:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <[vmo0@cdc.gov](mailto:vmo0@cdc.gov)>  
**Sent:** Monday, April 19, 2021 9:52 AM  
**To:** Cohn, Amanda (CDC/DDID/NCIRD/OD) <[anc0@cdc.gov](mailto:anc0@cdc.gov)>; Oliver, Sara Elizabeth (CDC/DDID/NCIRD/DVD) <[yxo4@cdc.gov](mailto:yxo4@cdc.gov)>  
**Cc:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <[ayv6@cdc.gov](mailto:ayv6@cdc.gov)>; Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <[tnc4@cdc.gov](mailto:tnc4@cdc.gov)>  
**Subject:** FW: Pericarditis and Mrna vaccines

(b)(5)

---

**From:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <[ayv6@cdc.gov](mailto:ayv6@cdc.gov)>  
**Sent:** Monday, April 19, 2021 9:47 AM  
**To:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <[vmo0@cdc.gov](mailto:vmo0@cdc.gov)>; Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <[tnc4@cdc.gov](mailto:tnc4@cdc.gov)>  
**Cc:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <[dbc0@cdc.gov](mailto:dbc0@cdc.gov)>; Fox, Kimberley (CDC/DDID/NCIRD/DBD) <[kaf6@cdc.gov](mailto:kaf6@cdc.gov)>; Greco Kone, Rebecca (CDC/DDPHSIS/OD) <[ftm1@cdc.gov](mailto:ftm1@cdc.gov)>  
**Subject:** RE: Pericarditis and Mrna vaccines

(b)(5)

---

**From:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <[vmo0@cdc.gov](mailto:vmo0@cdc.gov)>  
**Sent:** Monday, April 19, 2021 9:42 AM  
**To:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <[ayv6@cdc.gov](mailto:ayv6@cdc.gov)>; Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <[tnc4@cdc.gov](mailto:tnc4@cdc.gov)>  
**Cc:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <[dbc0@cdc.gov](mailto:dbc0@cdc.gov)>; Fox, Kimberley (CDC/DDID/NCIRD/DBD) <[kaf6@cdc.gov](mailto:kaf6@cdc.gov)>; Greco Kone, Rebecca (CDC/DDPHSIS/OD) <[ftm1@cdc.gov](mailto:ftm1@cdc.gov)>  
**Subject:** Pericarditis and Mrna vaccines

(b)(5)

Best

Dana

**From:** Walensky, Rochelle (CDC/OD)  
**Sent:** Mon, 19 Apr 2021 13:55:42 +0000  
**To:** Schuchat, Anne MD (CDC/OD)  
**Cc:** Walke, Henry (CDC/DDID/NCEZID/DPEI)  
**Subject:** Re: Pericarditis and Mrna vaccines

Super helpful. Thank you!

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**From:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>  
**Sent:** Monday, April 19, 2021 9:49:34 AM  
**To:** Walensky, Rochelle (CDC/OD) <aux7@cdc.gov>  
**Cc:** Walke, Henry (CDC/DDID/NCEZID/DPEI) <hfw3@cdc.gov>  
**Subject:** Fwd: Pericarditis and Mrna vaccines

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**From:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>  
**Sent:** Monday, April 19, 2021 9:48:31 AM  
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Walke, Henry (CDC/DDID/NCEZID/DPEI) <hfw3@cdc.gov>  
**Subject:** FW: Pericarditis and Mrna vaccines

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**From:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>  
**Sent:** Monday, April 19, 2021 9:47 AM  
**To:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>; Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <tnc4@cdc.gov>  
**Cc:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <dbc0@cdc.gov>; Fox, Kimberley (CDC/DDID/NCIRD/DBD) <kaf6@cdc.gov>; Greco Kone, Rebecca (CDC/DDPHSIS/OD) <ftm1@cdc.gov>  
**Subject:** RE: Pericarditis and Mrna vaccines

(b)(5)

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**From:** Meaney Delman, Dana M. (CDC/DDNID/NCBDDD/DBDID) <vmo0@cdc.gov>  
**Sent:** Monday, April 19, 2021 9:42 AM  
**To:** Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>; Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <tnc4@cdc.gov>  
**Cc:** Cardo, Denise M. MD (CDC/DDID/NCEZID/DHQP) <dbc0@cdc.gov>; Fox, Kimberley



(CDC/DDID/NCIRD/DBD) <[kaf6@cdc.gov](mailto:kaf6@cdc.gov)>; Greco Kone, Rebecca (CDC/DDPHSIS/OD) <[ftm1@cdc.gov](mailto:ftm1@cdc.gov)>  
**Subject:** Pericarditis and Mrna vaccines

(b)(5)

Best

Dana