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## Comment from Health Watch USA

Posted by the **Centers for Disease Control and Prevention** on Feb 15, 2023

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RE: Written Comment Regarding February 22-24, 2023, CDC ACIP Meeting      Feb. 10, 2023

Another important reason for updating the COVID-19 vaccine's formulation is the mounting evidence of significant immunological imprinting which occurs with SARS-CoV-2 or vaccine exposure. In other words, your first exposure to the virus shapes your immunological response to all future exposures.

It was evident from the data presented at the Sept. 1, 2022, ACIP meeting where all animals were vaccinated with the original SARS-CoV-2 strain, and then had a robust antibody production to the original viral strain with the Monovalent BA4/5 booster.(1,2) In addition, booster efficacy data from a number of other studies have shown what some would describe as a less than expected advantage of the bivalent booster over the original booster.(3,4)

This along with other laboratory findings suggests immune imprinting is taking place.(5, 6, 7, 8)

Thus, it would appear advantageous to administer to SARS-CoV-2 immunologically naive individuals, such as young children, the most immunologically diverse and up-to-date vaccine possible.

I would like to encourage the committee to approve the administration of the current SARS-CoV-2 bivalent formulation to young children and to update this formulation on a regular basis.

Finally, similar to the previous booster recommendations, bivalent boosters for immunocompromised and high-risk individuals should be available every 5 to 6 months, until clinical outcomes regarding the durability of protection against SARS-CoV-2 are known.(9)

Thank you,

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**Comment ID**

CDC-2023-0007-0115



**Tracking Number**

ldy-xvlf0-ynvw

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