Office of Biostatistics and Epidemiology/Division of Epidemiology Periodic Safety Report Review Checklist	
Completed by Reviewer	
Product Name	Pfizer-BioNTech COVID-19 Vaccine (BNT162b2)
Manufacturer	Pfizer-BioNTech
STN #	19736.409
DCC Login ID #	Process Track ID: 693585
Submission Type	PAER PSUR
	PBRER PADER
Submission Format	
	PAPER
Reporting Period	FROM June 1, 2021
	TO June 30, 2021
Date Received by FDA	July 15, 2021
Date Routed to Reviewer	July 15, 2021
Regulatory Information Specialist (RIS) - Name	Ramachandra Naik
Reviewer - Name	Deborah Thompson
Reviewer Signature (electronic signature)	Deborah L. Thompson -S Digitally signed by Octooch L Thompson S Div CutS could Scientment out-self46 outFDA and expedie 02 321 2000001 (0111-200252031) Date 2010 7014 721 04 000

COMMENTS

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This is the 7th Summary of Monthly Safety Report (SMSR).		

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1. Countries where the product is licensed or authorized for distribution:

	Not Reported US 🖌 Worldwide 🖌	
2.	Estimated number of doses distributed by reporting period/cumulative:	
	Not Reported US (b) (4) period / (b) (4) cum	
	Not Applicable Worldwide 239,476,397 period / 871,107,722 cum	
3.	Does this report describe any actions taken by the manufacturer or other regulatory agency for this product (e.g. labeling changes)? Yes No	
4.	Have there been any new safety issues identified by the reviewer in this PSUR? Yes 🖌 No 🗌	
	If YES, please provide pertinent information below AND notify/discuss safety issues with the Team Lead and/or Branch Chief.	
	For the U.S., the cumulative O/E analysis using a 14-day risk window, revealed elevated O/E >1 with 95% Cl >1 (for low, mid, and/or high background rates) for males age < 17 yrs, males age 18-24 yrs, females age 18-24 yrs, and overall post-dose #2. The safety signal of dizziness was evaluated and determined not to be a risk.	
	Thromody.updefial in nonloces dynathine (ris) is an organized upper of hereer, ince portability epoils are included and insistipon at access association with the vaccine, could reduce of the design	
	reviewed again in PDR #1 (new signal). The company's current O/E analysis for IPP reveals an O/E <1.	
	The age stratification O/E analysis had higher ratios for at least one of the risk periods or risk windows for at least one of the age groups for transverse myel tis (TM), disseminated intravascular coagulation, and multisystem inflammatory syndrome (MIS). The gree stratification O/E analysis had higher ratios (To of O/E ratio) and was reviewed in detail in the March SMSR; at that time, the signal was determined not to be validated. The background rate for TM was changed in the April 2021 SMSR to a lower background rate from the ACCESS database with subsequent higher O/E ratios than in previous SMSRs. DIC had an elevated O/E ratio in the interval period for the 14-day and 21-day risk windows for the < 17 years age group; one case of DIC caused the O/E ratio to exceed 1, which was a neonate with in utero exposure. MIS had an elevated O/E ratio in the interval period for the 2-49 yr, as 40-59 yr age groups; MIS also had a low number of cases within each age groups (i.e., < 5 cases), which could contribute to variability in the analysis. TM, DIC, and MIS will be further reviewed and discussed in the next SMSR.	
	The company also reported an O/E ratio of 3.982 (95% CI 3.858-4.108) for anaphylaxis (previously identified risk) compared to the background rate for anaphylaxis cases observed in the U.S; the O/E ratio has continued to decline from previous SMSRs.	
	Conclusions: The contents of this PSUR/PAER do not indicate a need for further regulatory action.	
	Please see the following comments and recommendations:	

Reference Documents (X:\DE\MEDICAL OFFICER\Guidance Documents):

- E2C Clinical Safety Data Management: Periodic Safety Update Reports for Marketed Drugs 1996
 Addendum to E2C Safety Data Management: Periodic Safety Update Reports for Marketed Drugs 2004