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	
STN #	19736.366	
DCC Login ID #		
Submission Type	PAER PSUR	
	PBRER PADER	
Submission Format		
	PAPER	
Reporting Period	FROM April 30, 2021	
	TO May 31, 2021	
Date Received by FDA	June 15, 2021	
Date Routed to Reviewer	June 15, 2021	
Regulatory Information Specialist (RIS) - Name	Ramachandra Naik	
Reviewer - Name	Deborah Thompson	
Reviewer Signature (electronic signature)	Deborah L. Thompson -S Detaily dgned by Deboah L. Thompson S DNC-Los S-US Government countifs GauFDA undergel of 2024 17000030 (101 - 202252031) undergelowah L. Thompson S Due 2021 6920 (146 - 0000) Due 2021 6	

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COMMENTS

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

•••			
	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 220,976,340 period / 639,868,710 cum		
3.	Does this report describe any actions taken by the manufacturer or other regulatory agency for this product (e.g. labeling changes)? Yes		
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.		
	Safety-related changes to the Core Data Sheet include the addition of asthenia, lethargy, decreased appetite, hyperhidrosis, and night sweats as adverse drug reactions and addi ion of "special warnings and precautions for use" text for vaccine stress-related responses, including dizziness, fain ing, palpitations, increase in heart rate, alterations in blood pressure, feeling short of breath, ingling sensations, swea ing and/or anxiety. During he reporting period, the following signals were addressed by the company as follows: ongoing evaluation of myocarditis and pericarditis; appendicitis and		
	 During the reporting period, inter following signals were addressed by the company as follows. Onlying evaluation of myocarditis and periodidits, appendities and discreption of the periodidities and periodididities and periodidities and periodidities		
Conclusions: The contents of this PSUR/PAER do not indicate a need for further regulatory action. Please see the following comments and recommendations:			
	We note that in the April SMSR a myocarditis background rate of 4.4 per 100,000 person-years (py) was used for both the 18-64 year and 65+ year age groups. In the May SMSR background rates (per 100,000 py) of 12.38 for 18-24 year, 10.54 for 25-49 year, and 10.05 for 50+ year age groups were used for myocarditis based on data from ACCESS IT_ARS. The ACCESS report indicates that the ARS background rates used in your O/E analysis are relatively high for myocarditis and there are a wide range of reported background rates for myocarditis. Please perform a O/E analysis for myocarditis using various background rates (i.e., lower, mid-range, and higher background rate estimates) to provide a more comprehensive range of O/E results. In addition, please perform an O/E analysis for myocarditis stratified by U.S. vs European vaccination rate (doses), age, gender, and vaccine dose. Please submit these O/E analyses for myocarditis in the SMSR for the next reporting period.	in	

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

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