



## Clinical trial results:

### A Phase 3, Open-label, Single-Arm Trial to Evaluate the Safety, Tolerability, and Immunogenicity of 2 and 3 Doses of 13-valent Pneumococcal Conjugate Vaccine in Human Immunodeficiency Virus-Infected Subjects 6 Years of Age and Older Who Have Not Been Previously Immunized With Pneumococcal Vaccine

#### Summary

EudraCT number	2009-011564-11
Trial protocol	Outside EU/EEA
Global end of trial date	12 April 2013

#### Results information

Result version number	v1 (current)
This version publication date	29 June 2016
First version publication date	01 August 2015

#### Trial information

##### Trial identification

Sponsor protocol code	6115A1-3002-WW
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##### Additional study identifiers

ISRCTN number	-
ClinicalTrials.gov id (NCT number)	NCT00962780
WHO universal trial number (UTN)	-
Other trial identifiers	Alias: B1851021

Notes:

#### Sponsors

Sponsor organisation name	Pfizer Inc.
Sponsor organisation address	235 E 42nd Street, New York, United States, NY 10017
Public contact	Pfizer ClinicalTrials.gov Call Center, Pfizer, Inc., 001 800-718-1021, ClinicalTrials.gov_Inquiries@pfizer.com
Scientific contact	Pfizer ClinicalTrials.gov Call Center, Pfizer, Inc., 001 800-718-1021, ClinicalTrials.gov_Inquiries@pfizer.com

Notes:

#### Paediatric regulatory details

Is trial part of an agreed paediatric investigation plan (PIP)	Yes
EMA paediatric investigation plan number(s)	EMA-000036-PIP01-07
Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial?	No
Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial?	Yes

Notes:

## Results analysis stage

Analysis stage	Final
Date of interim/final analysis	12 September 2013
Is this the analysis of the primary completion data?	No
Global end of trial reached?	Yes
Global end of trial date	12 April 2013
Was the trial ended prematurely?	No

Notes:

## General information about the trial

Main objective of the trial:

1. To evaluate the immune responses 1 month after 3 doses of 13-valent Pneumococcal Conjugate Vaccine (13vPnC) compared with the immune responses 1 month after 2 doses of 13vPnC as measured by serotype-specific immunoglobulin G (IgG) geometric mean fold rises (GMFRs) in subjects greater than or equal to ( $\geq$ ) 6 years of age.
2. To evaluate the acceptability of the safety profile of 13vPnC as measured by the incidence rates of local reactions, systemic events, and adverse events (AEs).

Protection of trial subjects:

The study was in compliance with the ethical principles derived from the Declaration of Helsinki and in compliance with all International Conference on Harmonization (ICH) Good Clinical Practice (GCP) Guidelines. All the local regulatory requirements pertinent to safety of trial subjects were followed.

Background therapy: -

Evidence for comparator: -

Actual start date of recruitment	18 March 2010
Long term follow-up planned	Yes
Long term follow-up rationale	Safety
Long term follow-up duration	6 Months
Independent data monitoring committee (IDMC) involvement?	Yes

Notes:

## Population of trial subjects

### Subjects enrolled per country

Country: Number of subjects enrolled	Romania: 16
Country: Number of subjects enrolled	South Africa: 285
Worldwide total number of subjects	301
EEA total number of subjects	16

Notes:

### Subjects enrolled per age group

In utero	0
Preterm newborn - gestational age < 37 wk	0
Newborns (0-27 days)	0

Infants and toddlers (28 days-23 months)	0
Children (2-11 years)	99
Adolescents (12-17 years)	51
Adults (18-64 years)	150
From 65 to 84 years	1
85 years and over	0

## Subject disposition

### Recruitment

Recruitment details: -

### Pre-assignment

Screening details:

Study was initiated on 18 March 2010 and completed on 12 April 2013. Subjects were enrolled from 2 countries (Romania and South Africa). Three hundred and three subjects were randomized in study, out of which 301 subjects received the investigational vaccines (2 subjects were withdrawn prior to vaccination for non safety related reasons).

### Period 1

Period 1 title	Overall Trial (overall period)
Is this the baseline period?	Yes
Allocation method	Not applicable
Blinding used	Not blinded

### Arms

Are arms mutually exclusive?	Yes
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<b>Arm title</b>	13vPnC, 23vPS (Pediatric Subjects)
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Arm description:

Subjects older than or equal to [ $\geq$ ] 6 to less than [ $<$ ] 18 years of age (pediatric subjects) received 3 doses of 13-valent pneumococcal conjugate vaccine (13vPnC) 1 month apart, followed by 1 dose of 23-valent pneumococcal polysaccharide vaccine (23vPS) 1 month after 13vPnC Dose 3 (23vPS Dose).

Arm type	Experimental
Investigational medicinal product name	13-valent pneumococcal conjugate vaccine
Investigational medicinal product code	PF-05208760
Other name	
Pharmaceutical forms	Suspension for injection
Routes of administration	Intramuscular use

Dosage and administration details:

Three doses of 0.5 milliliter (mL) of 13vPnC intramuscularly 1 month apart.

Investigational medicinal product name	23-valent pneumococcal polysaccharide
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Suspension for injection
Routes of administration	Intramuscular use

Dosage and administration details:

One dose of 0.5 mL of 23vPS intramuscularly 1 month after 13vPnC Dose 3.

<b>Arm title</b>	13vPnC, 23vPS (Adult Subjects)
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Arm description:

Subjects  $\geq 18$  years of age (adult subjects) received 3 doses of 13vPnC 1 month apart, followed by 1 dose of 23vPS 1 month after 13vPnC Dose 3 (23vPS Dose).

Arm type	Experimental
Investigational medicinal product name	13-valent pneumococcal conjugate vaccine
Investigational medicinal product code	PF-05208760
Other name	
Pharmaceutical forms	Suspension for injection
Routes of administration	Intramuscular use

Dosage and administration details:

Three doses of 0.5 mL of 13vPnC intramuscularly 1 month apart.

Investigational medicinal product name	23-valent pneumococcal polysaccharide
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Suspension for injection
Routes of administration	Intramuscular use

Dosage and administration details:

One dose of 0.5 mL of 23vPS intramuscularly 1 month after 13vPnC Dose 3.

<b>Number of subjects in period 1</b>	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)
Started	150	151
Vaccinated 13vPnC Dose 1	150	151
Vaccinated 13vPnC Dose 2	145	145
Vaccinated 13vPnC Dose 3	144	142
Vaccinated 23vPS Dose	143	139
Completed	141	138
Not completed	9	13
Consent withdrawn by subject	1	7
Death	-	1
Protocol Violation	8	4
Unspecified	-	1

## Baseline characteristics

### Reporting groups

Reporting group title	13vPnC, 23vPS (Pediatric Subjects)
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Reporting group description:

Subjects older than or equal to [ $\geq$ ] 6 to less than [ $<$ ] 18 years of age (pediatric subjects) received 3 doses of 13-valent pneumococcal conjugate vaccine (13vPnC) 1 month apart, followed by 1 dose of 23-valent pneumococcal polysaccharide vaccine (23vPS) 1 month after 13vPnC Dose 3 (23vPS Dose).

Reporting group title	13vPnC, 23vPS (Adult Subjects)
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Reporting group description:

Subjects  $\geq 18$  years of age (adult subjects) received 3 doses of 13vPnC 1 month apart, followed by 1 dose of 23vPS 1 month after 13vPnC Dose 3 (23vPS Dose).

Reporting group values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	Total
Number of subjects	150	151	301
Age categorical Units: Subjects			
Age continuous Units: years			
arithmetic mean	10.3	41.2	
standard deviation	$\pm 3.04$	$\pm 8.45$	-
Gender categorical Units: Subjects			
Female	76	88	164
Male	74	63	137

## End points

### End points reporting groups

Reporting group title	13vPnC, 23vPS (Pediatric Subjects)
Reporting group description: Subjects older than or equal to [ $\geq$ ] 6 to less than [ $<$ ] 18 years of age (pediatric subjects) received 3 doses of 13-valent pneumococcal conjugate vaccine (13vPnC) 1 month apart, followed by 1 dose of 23-valent pneumococcal polysaccharide vaccine (23vPS) 1 month after 13vPnC Dose 3 (23vPS Dose).	
Reporting group title	13vPnC, 23vPS (Adult Subjects)
Reporting group description: Subjects $\geq 18$ years of age (adult subjects) received 3 doses of 13vPnC 1 month apart, followed by 1 dose of 23vPS 1 month after 13vPnC Dose 3 (23vPS Dose).	
Subject analysis set title	13vPnC, 23vPS (All Subjects)
Subject analysis set type	Per protocol
Subject analysis set description: Subjects $\geq 6$ years of age (all subjects) received 3 doses of 0.5 mL of 13vPnC intramuscularly 1 month apart, followed by 1 dose of 0.5 mL of 23vPS intramuscularly 1 month after 13vPnC Dose 3 (23vPS Dose).	

### Primary: Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From 1 Month After 13vPnC Dose 2 to 1 Month After 13vPnC Dose 3 in All Subjects

End point title	Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From 1 Month After 13vPnC Dose 2 to 1 Month After 13vPnC Dose 3 in All Subjects <sup>[1]</sup>
End point description: GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from 1 month after 13vPnC Dose 2 to 1 month after 13vPnC Dose 3 were computed using the logarithmically transformed assay results. Confidence interval (CI) for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws. Evaluable immunogenicity population: eligible subjects who received vaccination as assigned; had blood drawn within pre-specified time-frames; had at least 1 valid, determinate assay result; had no major protocol violation. Here, n=subjects evaluable for specified serotype.	
End point type	Primary
End point timeframe: 1 month after 13vPnC Dose 2, 1 month after 13vPnC Dose 3	

#### Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: Only descriptive data was planned to be reported for this endpoint.

End point values	13vPnC, 23vPS (All Subjects)			
Subject group type	Subject analysis set			
Number of subjects analysed	259 <sup>[2]</sup>			
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 248)	1.03 (1.01 to 1.08)			
Serotype 3 (n = 238)	1.05 (0.99 to 1.07)			
Serotype 4 (n = 257)	1.09 (1 to 1.1)			
Serotype 5 (n = 257)	1.01 (1.03 to 1.14)			

Serotype 6A (n = 249)	1.02 (0.97 to 1.05)			
Serotype 6B (n = 257)	1.04 (0.97 to 1.07)			
Serotype 7F (n = 259)	1.1 (1.05 to 1.16)			
Serotype 9V (n = 259)	1.05 (1.01 to 1.09)			
Serotype 14 (n = 259)	1.04 (1 to 1.09)			
Serotype 18C (n = 259)	0.99 (0.96 to 1.02)			
Serotype 19A (n = 259)	0.99 (0.96 to 1.03)			
Serotype 19F (n = 252)	1.06 (1.01 to 1.11)			
Serotype 23F (n = 258)	1.09 (1.03 to 1.15)			

Notes:

[2] - N (number of subjects analyzed)= subjects evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

### Secondary: Geometric Mean Concentration (GMC) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody 1 Month After 13vPnC Dose 3 Relative to 1 Month After 13vPnC Dose 2 in Pediatric, Adult and All Subjects

End point title	Geometric Mean Concentration (GMC) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody 1 Month After 13vPnC Dose 3 Relative to 1 Month After 13vPnC Dose 2 in Pediatric, Adult and All Subjects
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End point description:

Antibody GMC for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) for pediatric, adult and all subjects are presented. GMC (13vPnC) and corresponding 2-sided 95 percent (%) CIs were evaluated. Geometric means were calculated using all subjects with available data for both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws. CI for GMC were back transformations of a CI based on the Student t distribution for the mean logarithm of the concentrations. Evaluable immunogenicity population. Here "n" signifies all subjects who were evaluable for specified serotype for each treatment arm, respectively.

End point type	Secondary
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End point timeframe:

1 month after 13vPnC Dose 2, 1 month after 13vPnC Dose 3

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	128 <sup>[3]</sup>	131 <sup>[4]</sup>	259 <sup>[5]</sup>	
Units: microgram per milliliter (mcg/mL)				
geometric mean (confidence interval 95%)				
Serotype 1: 13vPnC Dose 2 (n = 120, 128, 248)	3.88 (3.3 to 4.57)	3.95 (3.23 to 4.85)	3.92 (3.44 to 4.46)	
Serotype 1: 13vPnC Dose 3 (n = 120, 128, 248)	4.14 (3.56 to 4.83)	3.92 (3.21 to 4.79)	4.03 (3.55 to 4.57)	



Serotype 3: 13vPnC Dose 2 (n = 118, 120, 238)	1.47 (1.25 to 1.74)	0.97 (0.81 to 1.16)	1.19 (1.05 to 1.35)
Serotype 3: 13vPnC Dose 3 (n = 118, 120, 238)	1.49 (1.26 to 1.76)	1.06 (0.88 to 1.27)	1.25 (1.11 to 1.42)
Serotype 4: 13vPnC Dose 2 (n = 127, 130, 257)	3.06 (2.54 to 3.69)	2.97 (2.4 to 3.67)	3.01 (2.62 to 3.47)
Serotype 4: 13vPnC Dose 3 (n = 127, 130, 257)	3.36 (2.84 to 3.97)	3.19 (2.59 to 3.91)	3.27 (2.87 to 3.73)
Serotype 5: 13vPnC Dose 2 (n = 126, 131, 257)	4.52 (3.78 to 5.39)	5.77 (4.83 to 6.89)	5.12 (4.51 to 5.8)
Serotype 5: 13vPnC Dose 3 (n = 126, 131, 257)	4.84 (4.12 to 5.7)	5.53 (4.63 to 6.61)	5.18 (4.6 to 5.85)
Serotype 6A: 13vPnC Dose 2 (n = 119, 130, 249)	7.66 (6.46 to 9.08)	7.03 (5.71 to 8.67)	7.33 (6.4 to 8.39)
Serotype 6A: 13vPnC Dose 3 (n = 119, 130, 249)	7.97 (6.81 to 9.33)	7.04 (5.74 to 8.64)	7.47 (6.56 to 8.51)
Serotype 6B: 13vPnC Dose 2 (n = 127, 130, 257)	11.43 (9.45 to 13.84)	7.93 (6.51 to 9.65)	9.5 (8.28 to 10.91)
Serotype 6B: 13vPnC Dose 3 (n = 127, 130, 257)	11.94 (10.01 to 14.24)	8.28 (6.78 to 10.11)	9.92 (8.67 to 11.35)
Serotype 7F: 13vPnC Dose 2 (n = 128, 131, 259)	4.25 (3.67 to 4.92)	5.78 (4.81 to 6.95)	4.96 (4.41 to 5.59)
Serotype 7F: 13vPnC Dose 3 (n = 128, 131, 259)	5.05 (4.38 to 5.82)	5.9 (4.95 to 7.04)	5.46 (4.88 to 6.12)
Serotype 9V: 13vPnC Dose 2 (n = 128, 131, 259)	4.81 (4.18 to 5.54)	5.14 (4.27 to 6.19)	4.98 (4.43 to 5.59)
Serotype 9V: 13vPnC Dose 3 (n = 128, 131, 259)	4.98 (4.35 to 5.7)	5.48 (4.59 to 6.55)	5.23 (4.67 to 5.84)
Serotype 14: 13vPnC Dose 2 (n = 128, 131, 259)	11.6 (8.76 to 15.35)	15.14 (11.64 to 19.71)	13.27 (10.96 to 16.08)
Serotype 14: 13vPnC Dose 3 (n = 128, 131, 259)	12.62 (9.75 to 16.33)	15.13 (11.8 to 19.4)	13.83 (11.57 to 16.53)
Serotype 18C: 13vPnC Dose 2 (n = 128, 131, 259)	3.79 (3.12 to 4.6)	5.33 (4.34 to 6.54)	4.5 (3.91 to 5.19)
Serotype 18C: 13vPnC Dose 3 (n = 128, 131, 259)	3.83 (3.19 to 4.6)	5.18 (4.27 to 6.28)	4.46 (3.9 to 5.1)
Serotype 19A: 13vPnC Dose 2 (n = 128, 131, 259)	14.38 (12.2 to 16.96)	13.19 (11.06 to 15.75)	13.77 (12.21 to 15.53)
Serotype 19A: 13vPnC Dose 3 (n = 128, 131, 259)	14.19 (12.17 to 16.54)	13.18 (11.11 to 15.62)	13.67 (12.2 to 15.32)
Serotype 19F: 13vPnC Dose 2 (n = 124, 128, 252)	5.78 (4.63 to 7.21)	5.34 (4.17 to 6.84)	5.55 (4.71 to 6.55)
Serotype 19F: 13vPnC Dose 3 (n = 124, 128, 252)	6.09 (4.98 to 7.44)	5.67 (4.47 to 7.18)	5.87 (5.03 to 6.85)
Serotype 23F: 13vPnC Dose 2 (n = 127, 131, 258)	6.45 (5.3 to 7.85)	6.1 (4.86 to 7.66)	6.27 (5.4 to 7.28)
Serotype 23F: 13vPnC Dose 3 (n = 127, 131, 258)	6.64 (5.55 to 7.94)	7.06 (5.65 to 8.82)	6.85 (5.94 to 7.9)

Notes:

[3] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[4] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[5] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Secondary: Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Titers (GMT) 1 Month After 13vPnC Dose 3 Relative to 1 Month After 13vPnC Dose 2 in Pediatric, Adult and All Subjects

End point title	Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Titers (GMT) 1 Month After 13vPnC Dose 3 Relative to 1 Month After 13vPnC Dose 2 in Pediatric, Adult and All Subjects
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End point description:

Serotype-specific OPA GMTs for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) were determined in the blood samples of pediatric, adult and all subjects using a microcolony OPA (mcOPA) assay. GMT (13vPnC) and corresponding 2-sided 95% CIs were evaluated. Geometric means were calculated using all subjects with available data for both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws. CI for GMT were back transformations of a CI based on the Student t distribution for the mean logarithm of the titers. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws for each treatment arm, respectively.

End point type	Secondary
End point timeframe:	1 month after 13vPnC Dose 2, 1 month after 13vPnC Dose 3

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	127 <sup>[6]</sup>	129 <sup>[7]</sup>	256 <sup>[8]</sup>	
Units: titers				
geometric mean (confidence interval 95%)				
Serotype 1: 13vPnC Dose 2 (n = 126, 127, 253)	51 (37.2 to 70)	54 (38.7 to 74.2)	52 (41.8 to 65.5)	
Serotype 1: 13vPnC Dose 3 (n = 126, 127, 253)	69 (51.6 to 91.4)	69 (51.3 to 92)	69 (56.1 to 84.1)	
Serotype 3: 13vPnC Dose 2 (n = 127, 129, 256)	81 (64.1 to 102)	48 (37.9 to 61.5)	62 (52.6 to 73.9)	
Serotype 3: 13vPnC Dose 3 (n = 127, 129, 256)	114 (94.5 to 137.8)	79 (62.1 to 99.9)	95 (81.3 to 110.3)	
Serotype 4: 13vPnC Dose 2 (n = 117, 126, 243)	2509 (1922.3 to 3274.2)	1620 (1211.2 to 2167.4)	2000 (1639.8 to 2439.1)	
Serotype 4: 13vPnC Dose 3 (n = 117, 126, 243)	3246 (2697.1 to 3906.3)	1944 (1465.3 to 2579.7)	2488 (2092.1 to 2959.8)	
Serotype 5: 13vPnC Dose 2 (n = 122, 124, 246)	159 (109.2 to 232.2)	104 (69.1 to 156.9)	129 (97.3 to 169.7)	
Serotype 5: 13vPnC Dose 3 (n = 122, 124, 246)	267 (191.3 to 371.5)	142 (97.5 to 206.7)	194 (150.8 to 249.7)	
Serotype 6A: 13vPnC Dose 2 (n = 125, 124, 249)	5560 (4378.4 to 7060.9)	2425 (1790.7 to 3284.5)	3678 (3016.2 to 4485.6)	
Serotype 6A: 13vPnC Dose 3 (n = 125, 124, 249)	7758 (6314.2 to 9531.2)	3239 (2488.5 to 4215.9)	5022 (4216.8 to 5979.9)	
Serotype 6B: 13vPnC Dose 2 (n = 121, 128, 249)	5449 (4365.1 to 6801.1)	2724 (2004.8 to 3701)	3815 (3140.9 to 4634.1)	
Serotype 6B: 13vPnC Dose 3 (n = 121, 128, 249)	7151 (5828.2 to 8773.9)	3723 (2771.1 to 5002.5)	5113 (4250.1 to 6150.5)	
Serotype 7F: 13vPnC Dose 2 (n = 125, 127, 252)	3494 (2772.8 to 4403.3)	2255 (1739.6 to 2923.6)	2802 (2352.6 to 3338)	
Serotype 7F: 13vPnC Dose 3 (n = 125, 127, 252)	4638 (3889.7 to 5529.4)	2702 (2130.3 to 3428.2)	3533 (3037.4 to 4108.5)	
Serotype 9V: 13vPnC Dose 2 (n = 118, 127, 245)	3339 (2461.4 to 4530.3)	1432 (998.6 to 2054.9)	2153 (1690.3 to 2743.3)	

Serotype 9V: 13vPnC Dose 3 (n = 118, 127, 245)	4714 (3731.5 to 5955.4)	2004 (1416.5 to 2836.1)	3026 (2434.3 to 3761.4)
Serotype 14: 13vPnC Dose 2 (n = 117, 127, 244)	3704 (2906.5 to 4719.5)	1342 (1010.1 to 1782.1)	2183 (1792.2 to 2659.6)
Serotype 14: 13vPnC Dose 3 (n = 117, 127, 244)	3963 (3195.8 to 4914.2)	1480 (1150.3 to 1903.9)	2373 (1988.4 to 2832.8)
Serotype 18C: 13vPnC Dose 2 (n = 117, 121, 238)	4635 (3609.7 to 5951.8)	1349 (947 to 1921.5)	2475 (1965.7 to 3115.4)
Serotype 18C: 13vPnC Dose 3 (n = 117, 121, 238)	5579 (4423.7 to 7036.9)	1787 (1272.8 to 2508.5)	3127 (2515.2 to 3888.6)
Serotype 19A: 13vPnC Dose 2 (n = 125, 127, 252)	684 (519.2 to 902.1)	458 (332.5 to 631.2)	559 (452.3 to 690.9)
Serotype 19A: 13vPnC Dose 3 (n = 125, 127, 252)	1002 (814.5 to 1232.3)	613 (465.6 to 806.4)	782 (657.2 to 930.5)
Serotype 19F: 13vPnC Dose 2 (n = 122, 118, 240)	717 (495.6 to 1036.7)	315 (196.7 to 506)	479 (354.4 to 646.9)
Serotype 19F: 13vPnC Dose 3 (n = 122, 118, 240)	1152 (864.2 to 1535)	597 (397.9 to 897.1)	834 (650.1 to 1070.2)
Serotype 23F: 13vPnC Dose 2 (n = 120, 126, 246)	1477 (1086.2 to 2008.2)	409 (271.9 to 614)	765 (585.2 to 999.4)
Serotype 23F: 13vPnC Dose 3 (n = 120, 126, 246)	2327 (1844.2 to 2935.9)	671 (449.8 to 1000.3)	1231 (963 to 1572.5)

Notes:

[6] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[7] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[8] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Secondary: Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) From 1 Month After 13vPnC Dose 2 to 1 Month After 13vPnC Dose 3 in Pediatric, Adult and All Subjects

End point title	Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) From 1 Month After 13vPnC Dose 2 to 1 Month After 13vPnC Dose 3 in Pediatric, Adult and All Subjects
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End point description:

GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from 1 month after 13vPnC Dose 2 to 1 month after 13vPnC Dose 3 were computed using the logarithmically transformed assay results. CI for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws for each treatment arm, respectively.

End point type	Secondary
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End point timeframe:

1 month after 13vPnC Dose 2, 1 month after 13vPnC Dose 3

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	127 <sup>[9]</sup>	129 <sup>[10]</sup>	256 <sup>[11]</sup>	
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 126, 127, 253)	1.3 (1.13 to 1.61)	1.3 (1.09 to 1.51)	1.3 (1.16 to 1.48)	
Serotype 3 (n = 127, 129, 256)	1.4 (1.25 to 1.59)	1.6 (1.45 to 1.83)	1.5 (1.4 to 1.65)	
Serotype 4 (n = 117, 126, 243)	1.3 (1.1 to 1.52)	1.2 (1.07 to 1.34)	1.2 (1.13 to 1.37)	
Serotype 5 (n = 122, 124, 246)	1.7 (1.36 to 2.06)	1.4 (1.17 to 1.59)	1.5 (1.33 to 1.72)	
Serotype 6A (n = 125, 124, 249)	1.4 (1.22 to 1.6)	1.3 (1.15 to 1.55)	1.4 (1.23 to 1.51)	
Serotype 6B (n = 121, 128, 249)	1.3 (1.18 to 1.46)	1.4 (1.2 to 1.56)	1.3 (1.23 to 1.46)	
Serotype 7F (n = 125, 127, 252)	1.3 (1.15 to 1.53)	1.2 (1.03 to 1.4)	1.3 (1.14 to 1.4)	
Serotype 9V (n = 118, 127, 245)	1.4 (1.16 to 1.72)	1.4 (1.18 to 1.65)	1.4 (1.24 to 1.6)	
Serotype 14 (n = 117, 127, 244)	1.1 (0.95 to 1.2)	1.1 (0.98 to 1.24)	1.1 (1 to 1.18)	
Serotype 18C (n = 117, 121, 238)	1.2 (1.1 to 1.32)	1.3 (1.08 to 1.63)	1.3 (1.13 to 1.42)	
Serotype 19A (n = 125, 127, 252)	1.5 (1.27 to 1.68)	1.3 (1.18 to 1.52)	1.4 (1.27 to 1.54)	
Serotype 19F (n = 122, 118, 240)	1.6 (1.31 to 1.97)	1.9 (1.45 to 2.48)	1.7 (1.48 to 2.06)	
Serotype 23F (n = 120, 126, 246)	1.6 (1.31 to 1.9)	1.6 (1.34 to 2.02)	1.6 (1.4 to 1.85)	

Notes:

[9] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[10] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[11] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Secondary: Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From 1 Month After 13vPnC Dose 2 to 1 Month After 13vPnC Dose 3 in Pediatric and Adult Subjects

End point title	Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From 1 Month After 13vPnC Dose 2 to 1 Month After 13vPnC Dose 3 in Pediatric and Adult Subjects
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End point description:

GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from 1 month after 13vPnC Dose 2 to 1 month after 13vPnC Dose 3 were computed using the logarithmically transformed assay results. CI for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 2 and after 13vPnC Dose 3 blood draws for each treatment arm, respectively.

End point type	Secondary
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End point timeframe:

1 month after 13vPnC Dose 2, 1 month after 13vPnC Dose 3

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	128 <sup>[12]</sup>	131 <sup>[13]</sup>		
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 120, 128)	1.07 (1.01 to 1.13)	0.99 (0.93 to 1.06)		
Serotype 3 (n = 118, 120)	1.01 (0.95 to 1.08)	1.09 (1.02 to 1.16)		
Serotype 4 (n = 127, 130)	1.1 (1.02 to 1.18)	1.07 (1 to 1.16)		
Serotype 5 (n = 126, 131)	1.07 (1.01 to 1.14)	0.96 (0.91 to 1.01)		
Serotype 6A (n = 119, 130)	1.04 (0.96 to 1.12)	1 (0.95 to 1.06)		
Serotype 6B (n = 127, 130)	1.04 (0.99 to 1.1)	1.04 (0.99 to 1.11)		
Serotype 7F (n = 128, 131)	1.19 (1.12 to 1.27)	1.02 (0.95 to 1.1)		
Serotype 9V (n = 128, 131)	1.03 (0.98 to 1.09)	1.07 (1.02 to 1.12)		
Serotype 14 (n = 128, 131)	1.09 (1.02 to 1.16)	1 (0.95 to 1.05)		
Serotype 18C (n = 128, 131)	1.01 (0.96 to 1.07)	0.97 (0.93 to 1.01)		
Serotype 19A (n = 128, 131)	0.99 (0.93 to 1.04)	1 (0.96 to 1.04)		
Serotype 19F (n = 124, 128)	1.05 (0.98 to 1.13)	1.06 (0.99 to 1.14)		
Serotype 23F (n = 127, 131)	1.03 (0.96 to 1.11)	1.16 (1.07 to 1.26)		

Notes:

[12] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[13] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Geometric Mean Concentration (GMC) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody Before and 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects

End point title	Geometric Mean Concentration (GMC) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody Before and 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects
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End point description:

Antibody GMC for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) for pediatric, adult and all subjects are presented. GMC (13vPnC) and corresponding 2-sided 95% CIs were evaluated. Geometric means were calculated using all subjects with available data for both the before and after 13vPnC Dose 1 blood draws. CI for GMC were back transformations of a CI based on

the Student t distribution for the mean logarithm of the concentrations. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both the before and 1 month after 13vPnC Dose 1 blood draws for each treatment arm, respectively.

End point type	Other pre-specified
End point timeframe:	
Before 13vPnC Dose 1, 1 month after 13vPnC Dose 1	

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	133 <sup>[14]</sup>	137 <sup>[15]</sup>	270 <sup>[16]</sup>	
Units: mcg/mL				
geometric mean (confidence interval 95%)				
Serotype 1: Before 13vPnC Dose 1 (n=78,122,200)	1.03 (0.72 to 1.48)	0.82 (0.63 to 1.06)	0.9 (0.73 to 1.1)	
Serotype 1: After 13vPnC Dose 1 (n=78,122,200)	3.78 (2.97 to 4.8)	4 (3.19 to 5.01)	3.91 (3.32 to 4.61)	
Serotype 3: Before 13vPnC Dose 1 (n=99,127,226)	0.83 (0.62 to 1.11)	0.47 (0.37 to 0.58)	0.6 (0.5 to 0.72)	
Serotype 3: After 13vPnC Dose 1 (n=99,127,226)	1.25 (0.99 to 1.58)	0.75 (0.62 to 0.92)	0.94 (0.81 to 1.09)	
Serotype 4: Before 13vPnC Dose 1 (n=95,127,222)	0.19 (0.14 to 0.25)	0.35 (0.28 to 0.45)	0.27 (0.22 to 0.33)	
Serotype 4: After 13vPnC Dose 1 (n=95,127,222)	2.62 (1.97 to 3.5)	2.91 (2.26 to 3.75)	2.79 (2.31 to 3.36)	
Serotype 5: Before 13vPnC Dose 1 (n=122,137,259)	4.18 (3.42 to 5.12)	3.38 (2.84 to 4.02)	3.74 (3.28 to 4.27)	
Serotype 5: After 13vPnC Dose 1 (n=122,137,259)	4.81 (3.98 to 5.8)	5.53 (4.63 to 6.61)	5.18 (4.55 to 5.89)	
Serotype 6A: Before 13vPnC Dose 1 (n=99,136,235)	6.22 (5.19 to 7.45)	2.67 (2.24 to 3.18)	3.81 (3.32 to 4.37)	
Serotype 6A: After 13vPnC Dose 1 (n=99,136,235)	7.31 (6.07 to 8.79)	6.77 (5.38 to 8.51)	6.99 (6 to 8.15)	
Serotype 6B: Before 13vPnC Dose 1 (n=131,134,265)	5.52 (4.59 to 6.64)	3.23 (2.69 to 3.88)	4.21 (3.69 to 4.81)	
Serotype 6B: After 13vPnC Dose 1 (n=131,134,265)	10.26 (8.37 to 12.58)	7.29 (5.81 to 9.15)	8.63 (7.41 to 10.06)	
Serotype 7F: Before 13vPnC Dose 1 (n=111,134,245)	0.85 (0.63 to 1.14)	1.14 (0.94 to 1.37)	1 (0.84 to 1.18)	
Serotype 7F: After 13vPnC Dose 1 (n=111,134,245)	4.34 (3.68 to 5.11)	5.57 (4.57 to 6.78)	4.97 (4.36 to 5.67)	
Serotype 9V: Before 13vPnC Dose 1 (n=129,137,266)	2.1 (1.74 to 2.54)	1.56 (1.3 to 1.86)	1.8 (1.58 to 2.05)	
Serotype 9V: After 13vPnC Dose 1 (n=129,137,266)	4.77 (4.08 to 5.57)	5.16 (4.24 to 6.27)	4.97 (4.38 to 5.63)	
Serotype 14: Before 13vPnC Dose 1 (n=113,136,249)	0.76 (0.57 to 1.03)	2.45 (1.94 to 3.09)	1.44 (1.18 to 1.76)	
Serotype 14: After 13vPnC Dose 1 (n=113,136,249)	12.04 (8.48 to 17.1)	16.46 (12.38 to 21.9)	14.28 (11.44 to 17.84)	
Serotype 18C: Before 13vPnC Dose 1 (n=127,134,261)	0.66 (0.52 to 0.85)	0.85 (0.69 to 1.04)	0.75 (0.64 to 0.88)	
Serotype 18C: After 13vPnC Dose 1 (n=127,134,261)	3.92 (3.14 to 4.91)	5.55 (4.51 to 6.84)	4.69 (4.02 to 5.46)	
Serotype 19A: Before 13vPnC Dose 1 (n=133,137,270)	7.51 (6.34 to 8.9)	4.78 (4.04 to 5.66)	5.97 (5.29 to 6.74)	

Serotype 19A: After 13vPnC Dose 1 (n=133,137,270)	13.28 (11.11 to 15.87)	13.03 (10.75 to 15.8)	13.15 (11.54 to 14.99)	
Serotype 19F: Before 13vPnC Dose 1 (n=93,126,219)	1.36 (1.06 to 1.75)	1.36 (1.07 to 1.73)	1.36 (1.14 to 1.62)	
Serotype 19F: After 13vPnC Dose 1 (n=93,126,219)	4.62 (3.55 to 6.02)	4.98 (3.74 to 6.62)	4.82 (3.96 to 5.88)	
Serotype 23F: Before 13vPnC Dose 1 (n=126,137,263)	2.29 (1.83 to 2.86)	1.61 (1.31 to 1.96)	1.9 (1.64 to 2.21)	
Serotype 23F: After 13vPnC Dose 1 (n=126,137,263)	5.65 (4.66 to 6.86)	5.3 (4.16 to 6.75)	5.47 (4.68 to 6.39)	

Notes:

[14] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[15] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[16] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From Before 13vPnC Dose 1 to 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects

End point title	Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From Before 13vPnC Dose 1 to 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects
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End point description:

GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from before 13vPnC Dose 1 to 1 month after 13vPnC Dose 1 were computed using the logarithmically transformed assay results. CI for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both before 13vPnC Dose and after 13vPnC Dose 1 blood draws. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both the before and 1 month after 13vPnC Dose 1 blood draws for each treatment arm, respectively.

End point type	Other pre-specified
End point timeframe:	Before 13vPnC Dose 1, 1 month after 13vPnC Dose 1

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	133 <sup>[17]</sup>	137 <sup>[18]</sup>	270 <sup>[19]</sup>	
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 78, 122, 200)	3.67 (2.7 to 4.99)	4.88 (3.87 to 6.15)	4.37 (3.63 to 5.25)	
Serotype 3 (n = 99, 127, 226)	1.51 (1.27 to 1.79)	1.62 (1.43 to 1.83)	1.57 (1.42 to 1.74)	
Serotype 4 (n = 95, 127, 222)	14.02 (10.55 to 18.62)	8.29 (6.55 to 10.49)	10.38 (8.64 to 12.47)	
Serotype 5 (n = 122, 137, 259)	1.15 (1.06 to 1.25)	1.64 (1.44 to 1.85)	1.38 (1.28 to 1.5)	

Serotype 6A (n = 99, 136, 235)	1.18 (1.02 to 1.35)	2.54 (2.09 to 3.07)	1.83 (1.6 to 2.1)	
Serotype 6B (n = 131, 134, 265)	1.86 (1.55 to 2.22)	2.26 (1.87 to 2.72)	2.05 (1.8 to 2.33)	
Serotype 7F (n = 111, 134, 245)	5.11 (3.92 to 6.65)	4.9 (3.99 to 6.03)	4.99 (4.24 to 5.88)	
Serotype 9V (n = 129, 137, 266)	2.27 (1.97 to 2.61)	3.32 (2.76 to 3.99)	2.76 (2.45 to 3.1)	
Serotype 14 (n = 113, 136, 249)	15.79 (11.84 to 21.05)	6.73 (5.17 to 8.76)	9.91 (8.11 to 12.11)	
Serotype 18C (n = 127, 134, 261)	5.92 (4.64 to 7.55)	6.55 (5.23 to 8.2)	6.23 (5.29 to 7.35)	
Serotype 19A (n = 133, 137, 270)	1.77 (1.55 to 2.02)	2.73 (2.31 to 3.21)	2.2 (1.98 to 2.45)	
Serotype 19F (n = 93, 126, 219)	3.39 (2.71 to 4.25)	3.66 (2.96 to 4.52)	3.54 (3.04 to 4.13)	
Serotype 23F (n = 126, 137, 263)	2.47 (2.02 to 3.02)	3.3 (2.71 to 4.03)	2.87 (2.49 to 3.31)	

Notes:

[17] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[18] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[19] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Titers (GMT) Before and 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects

End point title	Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Titers (GMT) Before and 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects
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End point description:

Serotype-specific OPA GMTs for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) were determined in the blood samples of pediatric, adult and all subjects using a microcolony OPA (mcOPA) assay. GMT (13vPnC) and corresponding 2-sided 95% CIs were evaluated. Geometric means were calculated using all subjects with available data for both the before and after 13vPnC Dose 1 blood draws. CI for GMT were back transformations of a CI based on the Student t distribution for the mean logarithm of the titers. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both the before and 1 month after 13vPnC Dose 1 blood draws for each treatment arm, respectively.

End point type	Other pre-specified
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End point timeframe:

Before 13vPnC Dose 1, 1 month after 13vPnC Dose 1

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	129 <sup>[20]</sup>	128 <sup>[21]</sup>	257 <sup>[22]</sup>	
Units: titers				
geometric mean (confidence interval 95%)				
Serotype 1: Before 13vPnC Dose 1 (n=129,127,256)	5 (4.3 to 5.8)	5 (4.3 to 5.2)	5 (4.4 to 5.3)	



Serotype 1: After 13vPnC Dose 1 (n=129,127,256)	49 (35.3 to 68.1)	57 (41.6 to 79.3)	53 (42.2 to 66.7)
Serotype 3: Before 13vPnC Dose 1 (n=126,128,254)	8 (6.6 to 10.8)	5 (4.5 to 5.8)	7 (5.7 to 7.5)
Serotype 3: After 13vPnC Dose 1 (n=126,128,254)	41 (31.7 to 52.6)	21 (16.3 to 27.1)	29 (24.3 to 35.1)
Serotype 4: Before 13vPnC Dose 1 (n=108,119,227)	25 (15.2 to 41.7)	27 (17 to 42.1)	26 (18.6 to 36.3)
Serotype 4: After 13vPnC Dose 1 (n=108,119,227)	2247 (1611.9 to 3131.4)	1372 (958.8 to 1963.7)	1735 (1356.9 to 2218.3)
Serotype 5: Before 13vPnC Dose 1 (n=125,122,247)	5 (4.5 to 6.7)	6 (4.8 to 6.8)	6 (4.9 to 6.4)
Serotype 5: After 13vPnC Dose 1 (n=125,122,247)	79 (52.5 to 118)	123 (81.8 to 186.3)	98 (73.7 to 131.1)
Serotype 6A: Before 13vPnC Dose 1 (n=99,98,197)	157 (84.4 to 292.5)	61 (35.1 to 106.8)	98 (64.6 to 149.4)
Serotype 6A: After 13vPnC Dose 1 (n=99,98,197)	3480 (2460.1 to 4921.8)	1543 (984.4 to 2418.5)	2322 (1743.1 to 3092.9)
Serotype 6B: Before 13vPnC Dose 1 (n=101,120,221)	279 (155.5 to 501.1)	231 (143.4 to 372.5)	252 (174.1 to 364.6)
Serotype 6B: After 13vPnC Dose 1 (n=101,120,221)	3852 (2888.3 to 5137.8)	2099 (1455.6 to 3028.2)	2771 (2179.2 to 3522.5)
Serotype 7F: Before 13vPnC Dose 1 (n=110,113,223)	416 (253.5 to 682.9)	38 (22.9 to 64.6)	124 (84.3 to 183.8)
Serotype 7F: After 13vPnC Dose 1 (n=110,113,223)	3775 (3019.4 to 4720.1)	2005 (1443.9 to 2783.1)	2739 (2237.5 to 3353.5)
Serotype 9V: Before 13vPnC Dose 1 (n=109,117,226)	152 (87.2 to 266.2)	69 (40.7 to 117.2)	101 (68.8 to 148.6)
Serotype 9V: After 13vPnC Dose 1 (n=109,117,226)	2533 (1822.7 to 3520.3)	1231 (836.1 to 1812.2)	1743 (1347 to 2256.4)
Serotype 14: Before 13vPnC Dose 1 (n=107,126,233)	328 (201.4 to 535.5)	123 (79.6 to 191.4)	193 (139 to 269.2)
Serotype 14: After 13vPnC Dose 1 (n=107,126,233)	3571 (2772.2 to 4600.1)	1277 (944.9 to 1725.8)	2048 (1660.8 to 2524.9)
Serotype 18C: Before 13vPnC Dose 1 (n=95,120,215)	42 (21.9 to 79)	25 (15.5 to 39.6)	31 (21.2 to 45.8)
Serotype 18C: After 13vPnC Dose 1 (n=95,120,215)	2821 (1891.1 to 4208.9)	1031 (671.3 to 1584.6)	1609 (1188.2 to 2178.5)
Serotype 19A: Before 13vPnC Dose 1 (n=129,128,257)	28 (19.1 to 40.8)	23 (16.7 to 32.7)	26 (19.9 to 32.9)
Serotype 19A: After 13vPnC Dose 1 (n=129,128,257)	506 (381.9 to 671.7)	390 (275.2 to 552.8)	445 (355.7 to 555.9)
Serotype 19F: Before 13vPnC Dose 1 (n=123,123,246)	11 (7.6 to 15.5)	14 (9.5 to 20.1)	12 (9.5 to 15.8)
Serotype 19F: After 13vPnC Dose 1 (n=123,123,246)	425 (285.3 to 632.5)	214 (130.4 to 352.3)	302 (219.3 to 415.2)
Serotype 23F: Before 13vPnC Dose 1 (n=118,125,243)	14 (9.3 to 22)	7 (5.3 to 9)	10 (7.6 to 12.7)
Serotype 23F: After 13vPnC Dose 1 (n=118,125,243)	587 (379.3 to 907.7)	140 (86.6 to 227.6)	281 (200.8 to 393.7)

Notes:

[20] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[21] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[22] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Geometric Mean Fold Rise (GMFR) for Serotype-Specific

## Pneumococcal Opsonophagocytic Activity (OPA) From Before 13vPnC Dose 1 to 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects

End point title	Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) From Before 13vPnC Dose 1 to 1 Month After 13vPnC Dose 1 in Pediatric, Adult and All Subjects
End point description:	
GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from before 13vPnC Dose 1 to 1 month after 13vPnC Dose 1 were computed using the logarithmically transformed assay results. CI for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both before 13vPnC Dose and after 13vPnC Dose 1 blood draws. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both the before and 1 month after 13vPnC Dose 1 blood draws for each treatment arm, respectively.	
End point type	Other pre-specified
End point timeframe:	
Before 13vPnC Dose 1, 1 month after 13vPnC Dose 1	

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	129 <sup>[23]</sup>	128 <sup>[24]</sup>	257 <sup>[25]</sup>	
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 129, 127, 256)	9.8 (6.97 to 13.81)	12.2 (8.84 to 16.84)	10.9 (8.65 to 13.81)	
Serotype 3 (n = 126, 128, 254)	4.8 (3.72 to 6.3)	4.1 (3.22 to 5.3)	4.5 (3.73 to 5.35)	
Serotype 4 (n = 108, 119, 227)	89.4 (51.43 to 155.31)	51.3 (31.16 to 84.59)	66.8 (46.17 to 96.75)	
Serotype 5 (n = 125, 122, 247)	14.4 (9.56 to 21.67)	21.7 (14.55 to 32.32)	17.6 (13.25 to 23.44)	
Serotype 6A (n = 99, 98, 197)	22.2 (12.61 to 38.9)	25.2 (14.51 to 43.83)	23.6 (15.98 to 34.94)	
Serotype 6B (n = 101, 120, 221)	13.8 (8.12 to 23.45)	9.1 (5.91 to 13.95)	11 (7.87 to 15.37)	
Serotype 7F (n = 110, 113, 223)	9.1 (5.79 to 14.23)	52.2 (31.42 to 86.57)	22 (15.42 to 31.42)	
Serotype 9V (n = 109, 117, 226)	16.6 (9.71 to 28.47)	17.8 (10.53 to 30.18)	17.2 (11.87 to 25.04)	
Serotype 14 (n = 107, 126, 233)	10.9 (6.79 to 17.41)	10.3 (6.82 to 15.7)	10.6 (7.76 to 14.44)	
Serotype 18C (n = 95, 120, 215)	67.9 (35.25 to 130.73)	41.6 (24.59 to 70.26)	51.6 (34.27 to 77.78)	
Serotype 19A (n = 129, 128, 257)	18.1 (12.52 to 26.25)	16.7 (11.78 to 23.61)	17.4 (13.51 to 22.38)	
Serotype 19F (n = 123, 123, 246)	39 (24.56 to 62.05)	15.5 (9.77 to 24.65)	24.6 (17.69 to 34.25)	
Serotype 23F (n = 118, 125, 243)	41.1 (24.94 to 67.81)	20.2 (12.78 to 32.05)	28.6 (20.34 to 40.1)	

Notes:

[23] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[24] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

### Other pre-specified: Geometric Mean Concentration (GMC) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody 1 Month After 13vPnC Dose 3 and 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects

End point title	Geometric Mean Concentration (GMC) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody 1 Month After 13vPnC Dose 3 and 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects
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End point description:

Antibody GMC for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) for pediatric, adult and all subjects are presented. GMC (13vPnC) and corresponding 2-sided 95% CIs were evaluated. Geometric means were calculated using all subjects with available data for both after 13vPnC Dose 3 and after 23vPS Dose blood draws. CI for GMC were back transformations of a CI based on the Student t distribution for the mean logarithm of the concentrations. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 3 and after 23vPS Dose blood draws for each treatment arm, respectively.

End point type	Other pre-specified
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End point timeframe:

1 month after 13vPnC Dose 3, 1 month after 23vPS Dose

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	133 <sup>[26]</sup>	130 <sup>[27]</sup>	263 <sup>[28]</sup>	
Units: mcg/mL				
geometric mean (confidence interval 95%)				
Serotype 1: After 13vPnC Dose 3 (n=128,127,255)	4.08 (3.53 to 4.73)	3.94 (3.22 to 4.82)	4.01 (3.54 to 4.54)	
Serotype 1: After 23vPS Dose (n=128,127,255)	4.42 (3.8 to 5.14)	4.02 (3.32 to 4.85)	4.21 (3.74 to 4.75)	
Serotype 3: After 13vPnC Dose 3 (n=124,118,242)	1.49 (1.27 to 1.75)	1.04 (0.87 to 1.26)	1.25 (1.11 to 1.42)	
Serotype 3: After 23vPS Dose (n=124,118,242)	1.65 (1.42 to 1.92)	0.98 (0.82 to 1.17)	1.28 (1.14 to 1.44)	
Serotype 4: After 13vPnC Dose 3 (n=133,128,261)	3.29 (2.79 to 3.87)	3.19 (2.59 to 3.93)	3.24 (2.84 to 3.7)	
Serotype 4: After 23vPS Dose (n=133,128,261)	3.28 (2.77 to 3.88)	3.01 (2.44 to 3.72)	3.15 (2.75 to 3.59)	
Serotype 5: After 13vPnC Dose 3 (n=132,130,262)	4.73 (4.02 to 5.57)	5.54 (4.64 to 6.63)	5.12 (4.54 to 5.78)	
Serotype 5: After 23vPS Dose (n=132,130,262)	5.08 (4.33 to 5.95)	6.2 (5.23 to 7.35)	5.61 (4.99 to 6.3)	

Serotype 6A: After 13vPnC Dose 3 (n=122,129,251)	8.2 (6.99 to 9.61)	7.07 (5.75 to 8.69)	7.6 (6.67 to 8.66)
Serotype 6A: After 23vPS Dose (n=122,129,251)	7.98 (6.85 to 9.31)	6.71 (5.51 to 8.17)	7.3 (6.44 to 8.27)
Serotype 6B: After 13vPnC Dose 3 (n=133,129,262)	12.25 (10.31 to 14.55)	8.29 (6.78 to 10.13)	10.1 (8.84 to 11.55)
Serotype 6B: After 23vPS Dose (n=133,129,262)	11.1 (9.39 to 13.13)	8.25 (6.8 to 10.01)	9.59 (8.44 to 10.9)
Serotype 7F: After 13vPnC Dose 3 (n=133,130,263)	5.05 (4.39 to 5.81)	5.88 (4.93 to 7.02)	5.44 (4.87 to 6.09)
Serotype 7F: After 23vPS Dose (n=133,130,263)	5.15 (4.5 to 5.9)	5.93 (5.02 to 7)	5.52 (4.96 to 6.14)
Serotype 9V: After 13vPnC Dose 3 (n=133,130,263)	5.02 (4.4 to 5.72)	5.49 (4.59 to 6.57)	5.25 (4.7 to 5.86)
Serotype 9V: After 23vPS Dose (n=133,130,263)	5.27 (4.62 to 6)	5.83 (4.88 to 6.96)	5.54 (4.96 to 6.18)
Serotype 14: After 13vPnC Dose 3 (n=133,130,263)	13.18 (10.19 to 17.05)	15.35 (11.97 to 19.69)	14.21 (11.89 to 16.98)
Serotype 14: After 23vPS Dose (n=133,130,263)	12.98 (10.1 to 16.67)	16.24 (12.82 to 20.57)	14.5 (12.21 to 17.21)
Serotype 18C: After 13vPnC Dose 3 (n=132,130,262)	3.84 (3.21 to 4.59)	5.17 (4.25 to 6.28)	4.45 (3.9 to 5.08)
Serotype 18C: After 23vPS Dose (n=132,130,262)	3.54 (2.98 to 4.2)	4.8 (3.98 to 5.79)	4.12 (3.62 to 4.68)
Serotype 19A: After 13vPnC Dose 3 (n=133,130,263)	14.16 (12.21 to 16.41)	13.21 (11.13 to 15.68)	13.68 (12.22 to 15.31)
Serotype 19A: After 23vPS Dose (n=133,130,263)	13.16 (11.31 to 15.33)	13.28 (11.24 to 15.69)	13.22 (11.82 to 14.79)
Serotype 19F: After 13vPnC Dose 3 (n=130,127,257)	6.15 (5.09 to 7.45)	5.67 (4.47 to 7.19)	5.91 (5.08 to 6.87)
Serotype 19F: After 23vPS Dose (n=130,127,257)	6.78 (5.65 to 8.14)	5.84 (4.62 to 7.39)	6.3 (5.44 to 7.3)
Serotype 23F: After 13vPnC Dose 3 (n=132,129,261)	6.69 (5.6 to 7.98)	7.3 (5.87 to 9.09)	6.98 (6.07 to 8.03)
Serotype 23F: After 23vPS Dose (n=132,129,261)	5.99 (5.05 to 7.11)	7.03 (5.69 to 8.7)	6.49 (5.66 to 7.43)

Notes:

[26] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[27] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[28] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From 1 Month After 13vPnC Dose 3 to 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects

End point title	Geometric Mean Fold Rise (GMFR) for Serotype-Specific Pneumococcal Immunoglobulin G (IgG) Antibody From 1 Month After 13vPnC Dose 3 to 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects
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End point description:

GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from 1 month after 13vPnC Dose 3 to 1 month after 23vPS Dose were computed using the logarithmically transformed assay results. CI for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both 1 month after 13vPnC Dose 3 and 1 month after 23vPS Dose blood draws. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 3 and after 23vPS Dose blood draws for each treatment arm, respectively.

End point type	Other pre-specified
End point timeframe:	
1 month after 13vPnC Dose 3, 1 month after 23vPS Dose	

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	133 <sup>[29]</sup>	130 <sup>[30]</sup>	263 <sup>[31]</sup>	
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 128, 127, 255)	1.08 (1.01 to 1.16)	1.02 (0.96 to 1.08)	1.05 (1 to 1.1)	
Serotype 3 (n = 124, 118, 242)	1.11 (1.03 to 1.2)	0.94 (0.88 to 1)	1.02 (0.97 to 1.08)	
Serotype 4 (n = 133, 128, 261)	1 (0.94 to 1.05)	0.94 (0.9 to 0.99)	0.97 (0.94 to 1.01)	
Serotype 5 (n = 132, 130, 262)	1.07 (1.02 to 1.13)	1.12 (1.05 to 1.19)	1.09 (1.05 to 1.14)	
Serotype 6A (n = 122, 129, 251)	0.97 (0.92 to 1.04)	0.95 (0.91 to 0.99)	0.96 (0.93 to 1)	
Serotype 6B (n = 133, 129, 262)	0.91 (0.87 to 0.95)	1 (0.96 to 1.04)	0.95 (0.92 to 0.98)	
Serotype 7F (n = 133, 130, 263)	1.02 (0.97 to 1.07)	1.01 (0.95 to 1.06)	1.01 (0.98 to 1.05)	
Serotype 9V (n = 133, 130, 263)	1.05 (1 to 1.1)	1.06 (1.01 to 1.11)	1.06 (1.02 to 1.09)	
Serotype 14 (n = 133, 130, 263)	0.98 (0.91 to 1.06)	1.06 (0.99 to 1.13)	1.02 (0.97 to 1.07)	
Serotype 18C (n = 132, 130, 262)	0.92 (0.88 to 0.96)	0.93 (0.89 to 0.97)	0.92 (0.9 to 0.95)	
Serotype 19A (n = 133, 130, 263)	0.93 (0.89 to 0.97)	1.01 (0.96 to 1.05)	0.97 (0.94 to 1)	
Serotype 19F (n = 130, 127, 257)	1.1 (1.04 to 1.17)	1.03 (0.97 to 1.09)	1.07 (1.02 to 1.11)	
Serotype 23F (n = 132, 129, 261)	0.9 (0.86 to 0.94)	0.96 (0.91 to 1.02)	0.93 (0.89 to 0.96)	

Notes:

[29] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[30] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[31] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Titers (GMT) 1 Month After 13vPnC Dose 3 and 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects

End point title	Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Titers (GMT) 1 Month After 13vPnC Dose 3 and 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects
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End point description:

Serotype-specific OPA GMTs for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C,

19A, 19F, and 23F) were determined in the blood samples of pediatric, adult and all subjects using a mcOPA assay. GMT (13vPnC) and corresponding 2-sided 95% CIs were evaluated. Geometric means were calculated using all subjects with available data for both after 13vPnC Dose 3 and after 23vPS Dose blood draws. CI for GMT were back transformations of a CI based on the Student t distribution for the mean logarithm of the titers. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 3 and after 23vPS Dose blood draws for each treatment arm, respectively.

End point type	Other pre-specified
End point timeframe:	
1 month after 13vPnC Dose 3, 1 month after 23vPS Dose	

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	132 <sup>[32]</sup>	128 <sup>[33]</sup>	260 <sup>[34]</sup>	
Units: titers				
geometric mean (confidence interval 95%)				
Serotype 1: After 13vPnC Dose 3 (n=131,125,256)	70 (53.4 to 93)	67 (50.2 to 90.6)	69 (56.4 to 84.3)	
Serotype 1: After 23vPS Dose (n=131,125,256)	100 (76.6 to 130.3)	66 (49 to 90.2)	82 (66.9 to 100.2)	
Serotype 3: After 13vPnC Dose 3 (n=132,128,260)	114 (94.6 to 136.7)	78 (61.3 to 98.7)	94 (81.1 to 109.7)	
Serotype 3: After 23vPS Dose (n=132,128,260)	148 (123.9 to 177.3)	103 (81.6 to 130.9)	124 (107 to 144)	
Serotype 4: After 13vPnC Dose 3 (n=127,126,253)	3213 (2698.5 to 3826.6)	1888 (1427.3 to 2498.1)	2466 (2087 to 2913.5)	
Serotype 4: After 23vPS Dose (n=127,126,253)	3553 (2984.9 to 4229.7)	1831 (1366 to 2453.7)	2554 (2146.3 to 3038.7)	
Serotype 5: After 13vPnC Dose 3 (n=129,124,253)	270 (197 to 370.1)	143 (97.5 to 209.6)	198 (154.2 to 253.5)	
Serotype 5: After 23vPS Dose (n=129,124,253)	378 (276.5 to 516.9)	186 (130.9 to 264.4)	267 (210.6 to 338.6)	
Serotype 6A: After 13vPnC Dose 3 (n=132,127,259)	8011 (6580 to 9752.1)	2956 (2240.1 to 3900.3)	4913 (4109.7 to 5873.6)	
Serotype 6A: After 23vPS Dose (n=132,127,259)	7236 (5936.2 to 8819.4)	2707 (2060.8 to 3556.3)	4468 (3743.3 to 5333.1)	
Serotype 6B: After 13vPnC Dose 3 (n=130,126,256)	7102 (5853.9 to 8615.8)	3666 (2720.7 to 4940.5)	5129 (4283.9 to 6141)	
Serotype 6B: After 23vPS Dose (n=130,126,256)	6652 (5460.8 to 8102.8)	3324 (2496.6 to 4426.2)	4728 (3961.1 to 5643.2)	
Serotype 7F: After 13vPnC Dose 3 (n=131,125,256)	4640 (3915.9 to 5497.9)	2821 (2283.2 to 3484.4)	3639 (3171.6 to 4174.8)	
Serotype 7F: After 23vPS Dose (n=131,125,256)	5260 (4470.4 to 6189.9)	3027 (2455.7 to 3731.3)	4016 (3508.3 to 4597.9)	
Serotype 9V: After 13vPnC Dose 3 (n=127,125,252)	4501 (3606.4 to 5618)	1980 (1394.6 to 2811.7)	2995 (2424.2 to 3700.8)	
Serotype 9V: After 23vPS Dose (n=127,125,252)	5114 (4090.6 to 6393)	2037 (1452.6 to 2857.6)	3240 (2629.5 to 3991.2)	
Serotype 14: After 13vPnC Dose 3 (n=127,126,253)	4023 (3317.5 to 4879.5)	1431 (1115.7 to 1836.1)	2405 (2030.8 to 2847.1)	
Serotype 14: After 23vPS Dose (n=127,126,253)	4718 (3861.6 to 5764.9)	1620 (1284.5 to 2043)	2771 (2346.9 to 3270.7)	
Serotype 18C: After 13vPnC Dose 3 (n=129,121,250)	5455 (4401.5 to 6761.4)	1667 (1172.5 to 2370.8)	3074 (2479.2 to 3810.5)	

Serotype 18C: After 23vPS Dose (n=129,121,250)	6468 (5341.1 to 7832.2)	1835 (1328.1 to 2535.5)	3515 (2878.5 to 4292.8)	
Serotype 19A: After 13vPnC Dose 3 (n=131,125,256)	1021 (837.5 to 1245.6)	603 (456.7 to 796.3)	790 (665.2 to 937.4)	
Serotype 19A: After 23vPS Dose (n=131,125,256)	1244 (1012.1 to 1529.5)	691 (531 to 898.6)	933 (788.2 to 1105.5)	
Serotype 19F: After 13vPnC Dose 3 (n=126,117,243)	1166 (884.3 to 1537.7)	564 (375 to 848.1)	822 (642.8 to 1051)	
Serotype 19F: After 23vPS Dose (n=126,117,243)	1696 (1296.5 to 2217.5)	790 (547.5 to 1139.7)	1174 (934.2 to 1474.8)	
Serotype 23F: After 13vPnC Dose 3 (n=128,126,254)	2346 (1883.3 to 2922.6)	650 (435.3 to 969.9)	1241 (976.6 to 1576.7)	
Serotype 23F: After 23vPS Dose (n=128,126,254)	2595 (2143.3 to 3141.5)	580 (386.1 to 871.8)	1234 (970.1 to 1570.3)	

Notes:

[32] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[33] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[34] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

### Other pre-specified: Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Fold Rise (GMFR) From 1 Month After 13vPnC Dose 3 to 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects

End point title	Serotype-Specific Pneumococcal Opsonophagocytic Activity (OPA) Geometric Mean Fold Rise (GMFR) From 1 Month After 13vPnC Dose 3 to 1 Month After 23vPS Dose in Pediatric, Adult and All Subjects
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End point description:

GMFR for the 13 pneumococcal serotypes (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F) from 1 month after 13vPnC Dose 3 to 1 month after 23vPS Dose were computed using the logarithmically transformed assay results. CI for GMFR were back transformations of a CI based on the Student t distribution for the mean logarithm of the mean fold rise. GMFRs were calculated using all subjects with available data from both 1 month after 13vPnC Dose 3 and 1 month after 23vPS Dose blood draws. Evaluable immunogenicity population. Here "n" signifies subjects with valid and determinate assay results for specified serotype at both 1 month after 13vPnC Dose 3 and after 23vPS Dose blood draws for each treatment arm, respectively.

End point type	Other pre-specified
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End point timeframe:

1 month after 13vPnC Dose 3, 1 month after 23vPS Dose

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	132 <sup>[35]</sup>	128 <sup>[36]</sup>	260 <sup>[37]</sup>	
Units: fold rise				
geometric mean (confidence interval 95%)				
Serotype 1 (n = 131, 125, 256)	1.4 (1.23 to 1.63)	1 (0.86 to 1.13)	1.2 (1.08 to 1.31)	
Serotype 3 (n = 132, 128, 260)	1.3 (1.15 to 1.48)	1.3 (1.17 to 1.51)	1.3 (1.2 to 1.44)	

Serotype 4 (n = 127, 126, 253)	1.1 (1.04 to 1.18)	1 (0.87 to 1.09)	1 (0.97 to 1.1)
Serotype 5 (n = 129, 124, 253)	1.4 (1.15 to 1.71)	1.3 (1.13 to 1.5)	1.4 (1.2 to 1.53)
Serotype 6A (n = 132, 127, 259)	0.9 (0.85 to 0.96)	0.9 (0.86 to 0.97)	0.9 (0.87 to 0.95)
Serotype 6B (n = 130, 126, 256)	0.9 (0.87 to 1.01)	0.9 (0.79 to 1.04)	0.9 (0.86 to 0.99)
Serotype 7F (n = 131, 125, 256)	1.1 (1.06 to 1.21)	1.1 (0.93 to 1.23)	1.1 (1.02 to 1.19)
Serotype 9V (n = 127, 125, 252)	1.1 (1.05 to 1.23)	1 (0.84 to 1.27)	1.1 (0.97 to 1.21)
Serotype 14 (n = 127, 126, 253)	1.2 (1.07 to 1.28)	1.1 (1.03 to 1.24)	1.2 (1.08 to 1.23)
Serotype 18C (n = 129, 121, 250)	1.2 (1.04 to 1.35)	1.1 (0.92 to 1.31)	1.1 (1.03 to 1.27)
Serotype 19A (n = 131, 125, 256)	1.2 (1.11 to 1.34)	1.1 (1.03 to 1.27)	1.2 (1.1 to 1.27)
Serotype 19F (n = 126, 117, 243)	1.5 (1.25 to 1.69)	1.4 (1.14 to 1.72)	1.4 (1.26 to 1.62)
Serotype 23F (n = 128, 126, 254)	1.1 (0.96 to 1.28)	0.9 (0.81 to 0.98)	1 (0.91 to 1.09)

Notes:

[35] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[36] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

[37] - "Number of subjects analyzed" signifies those subjects who were evaluable for this measure.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Local Reactions: 13vPnC Dose 1

End point title	Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Local Reactions: 13vPnC Dose 1
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End point description:

Specific local reactions were prompted for each day, and reported using an electronic diary (e-diary). Redness and Swelling were scaled as Any (redness present or swelling present); Mild (0.5 to 2.0 centimeters (cm) for subjects aged 6 to <12 years and 2.5 to 5.0 cm for subjects aged greater than (>) 12 years); Moderate (2.5 to 7.0 cm for subjects aged 6 to <12 years and 5.1 to 10.0 cm for subjects aged >12 years); Severe (>7 cm for subjects aged 6 to <12 years and >10 cm for subjects aged >12 years). Pain at injection site was scaled as Any (pain present); Mild (did not interfere with activity); Moderate (interfered with activity); Severe (prevented daily activity). Report of severe swelling was confirmed as data entry error. Safety population included all enrolled subjects who received at least 1 dose of investigational product. Here "n" signifies subjects with known values for specified local reaction. Subjects may be represented in more than 1 category.

End point type	Other pre-specified
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End point timeframe:

Within 14 days after 13vPnC Dose 1



End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	120 <sup>[38]</sup>	123 <sup>[39]</sup>	243 <sup>[40]</sup>	
Units: percentage of subjects				
number (not applicable)				
Redness: Any (n = 92, 88, 180)	20.7	2.3	11.7	
Redness: Mild (n = 91, 88, 179)	19.8	2.3	11.2	
Redness: Moderate (n = 85, 88, 173)	2.4	0	1.2	
Redness: Severe (n = 84, 88, 172)	0	0	0	
Swelling: Any (n = 97, 94, 191)	29.9	9.6	19.9	
Swelling: Mild (n = 91, 93, 184)	17.6	8.6	13	
Swelling: Moderate (n = 92, 89, 181)	16.3	1.1	8.8	
Swelling: Severe (n = 84, 88, 172)	1.2	0	0.6	
Pain at Injection Site: Any (n = 117, 121, 238)	68.4	62.8	65.5	
Pain at Injection Site: Mild (n = 112, 116, 228)	55.4	56	55.7	
Pain at Injection Site: Moderate (n = 94, 94, 188)	28.7	18.1	23.4	
Pain at Injection Site: Severe (n = 86, 89, 175)	8.1	2.2	5.1	

Notes:

[38] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

[39] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

[40] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Local Reactions: 13vPnC Dose 2

End point title	Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Local Reactions: 13vPnC Dose 2
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End point description:

Specific local reactions were prompted for each day, and reported using an e-diary. Redness and Swelling were scaled as Any (redness present or swelling present); Mild (0.5 to 2.0 cm for subjects aged 6 to <12 years and 2.5 to 5.0 cm for subjects aged >12 years); Moderate (2.5 to 7.0 cm for subjects aged 6 to <12 years and 5.1 to 10.0 cm for subjects aged >12 years); Severe (>7 cm for subjects aged 6 to <12 years and >10 cm for subjects aged >12 years). Pain at injection site was scaled as Any (pain present); Mild (did not interfere with activity); Moderate (interfered with activity); Severe (prevented daily activity). Safety population. Here "n" signifies subjects with known values for specified local reaction. Subjects may be represented in more than 1 category.

End point type	Other pre-specified
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End point timeframe:

Within 14 days after 13vPnC Dose 2

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	120 <sup>[41]</sup>	119 <sup>[42]</sup>	239 <sup>[43]</sup>	
Units: percentage of subjects				
number (not applicable)				
Redness: Any (n = 101, 86, 187)	13.9	2.3	8.6	
Redness: Mild (n = 100, 86, 186)	10	2.3	6.5	
Redness: Moderate (n = 95, 85, 180)	4.2	0	2.2	
Redness: Severe (n = 93, 85, 178)	1.1	0	0.6	
Swelling: Any (n = 103, 88, 191)	25.2	8	17.3	
Swelling: Mild (n = 102, 88, 190)	18.6	8	13.7	
Swelling: Moderate (n = 99, 85, 184)	12.1	0	6.5	
Swelling: Severe (n = 93, 85, 178)	0	0	0	
Pain at Injection Site: Any (n = 117, 119, 236)	60.7	79.8	70.3	
Pain at Injection Site: Mild (n = 110, 117, 227)	49.1	72.6	61.2	
Pain at Injection Site: Moderate (n = 103, 96, 199)	24.3	27.1	25.6	
Pain at Injection Site: Severe (n = 93, 86, 179)	5.4	3.5	4.5	

Notes:

[41] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

[42] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

[43] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Local Reactions: 13vPnC Dose 3

End point title	Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Local Reactions: 13vPnC Dose 3
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End point description:

Specific local reactions were prompted for each day, and reported using an e-diary. Redness and Swelling were scaled as Any (redness present or swelling present); Mild (0.5 to 2.0 cm for subjects aged 6 to <12 years and 2.5 to 5.0 cm for subjects aged >12 years); Moderate (2.5 to 7.0 cm for subjects aged 6 to <12 years and 5.1 to 10.0 cm for subjects aged >12 years); Severe (>7 cm for subjects aged 6 to <12 years and >10 cm for subjects aged >12 years). Pain at injection site was scaled as Any (pain present); Mild (did not interfere with activity); Moderate (interfered with activity); Severe (prevented daily activity). Safety population. Here "n" signifies subjects with known values for specified local reaction. Subjects may be represented in more than 1 category.

End point type	Other pre-specified
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End point timeframe:

Within 14 days after 13vPnC Dose 3

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	104 <sup>[44]</sup>	109 <sup>[45]</sup>	213 <sup>[46]</sup>	
Units: percentage of subjects				
number (not applicable)				
Redness: Any (n = 84, 70, 154)	8.3	0	4.5	
Redness: Mild (n = 83, 70, 153)	7.2	0	3.9	
Redness: Moderate (n = 82, 70, 152)	2.4	0	1.3	
Redness: Severe (n = 80, 70, 150)	0	0	0	
Swelling: Any (n = 89, 71, 160)	18	4.2	11.9	
Swelling: Mild (n = 86, 71, 157)	10.5	4.2	7.6	
Swelling: Moderate (n = 84, 70, 154)	9.5	0	5.2	
Swelling: Severe (n = 80, 70, 150)	0	0	0	
Pain at Injection Site: Any (n = 104, 109, 213)	52.9	69.7	61.5	
Pain at Injection Site: Mild (n = 96, 105, 201)	41.7	63.8	53.2	
Pain at Injection Site: Moderate (n = 89, 78, 167)	19.1	24.4	21.6	
Pain at Injection Site: Severe (n = 83, 73, 156)	4.8	5.5	5.1	

Notes:

[44] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

[45] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

[46] - "Number of subjects analyzed" signifies subjects with known values for any local reaction.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Systemic Events: 13vPnC Dose 1

End point title	Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Systemic Events: 13vPnC Dose 1
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End point description:

Specific systemic events (fever  $\geq 38$  degrees Celsius[C], fatigue, headache, vomiting, diarrhea, muscle pain, joint pain, use of medication to treat pain/fever) were prompted for each day, and reported using an e-diary. Fatigue, headache, muscle pain, joint pain were scaled as: Any(symptom present); Mild(did not interfere with activity); Moderate(some interference with activity); Severe(prevented routine daily activity). Vomiting was scaled as: Any(vomiting present); Mild(1-2 times in 24 hours); Moderate( $>2$  times in 24 hours); Severe(required intravenous hydration). Diarrhea was scaled as: Any(diarrhea present); Mild(2-3 loose stools in 24 hours); Moderate(4-5 loose stools 24 hours); Severe( $\geq 6$  loose stools in 24 hours). All reporting of fever  $>40$  degrees C and all reporting of severe vomiting, after 13vPnC Dose 1, were confirmed as data entry errors. Safety population.n=subjects with known values for specified systemic event. Subjects may be represented in more than 1 category.

End point type	Other pre-specified
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End point timeframe:

Within 14 days after 13vPnC Dose 1

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	128 <sup>[47]</sup>	138 <sup>[48]</sup>	266 <sup>[49]</sup>	
Units: percentage of subjects				
number (not applicable)				
Fever: >=38 degrees C (n= 94, 95, 189)	19.1	17.9	18.5	
Fever: >=38, <38.5 degrees C (n = 87, 92, 179)	8	8.7	8.4	
Fever: >=38.5, <39 degrees C (n = 85, 89, 174)	2.4	3.4	2.9	
Fever: >=39, <=40 degrees C (n = 86, 88, 174)	4.7	2.3	3.4	
Fever: >40 degrees C (n = 88, 93, 181)	6.8	8.6	7.7	
Fatigue: Any (n = 111, 119, 230)	47.7	58.8	53.5	
Fatigue: Mild (n = 105, 113, 218)	33.3	51.3	42.7	
Fatigue: Moderate (n = 96, 99, 195)	26	28.3	27.2	
Fatigue: Severe (n = 86, 92, 178)	9.3	8.7	9	
Headache: Any (n = 107, 113, 220)	39.3	61.1	50.5	
Headache: Mild (n = 100, 109, 209)	33	57.8	45.9	
Headache: Moderate (n = 94, 97, 191)	18.1	22.7	20.4	
Headache: Severe (n = 87, 89, 176)	6.9	9	8	
Vomiting: Any (n = 89, 91, 180)	18	7.7	12.8	
Vomiting: Mild (n = 89, 91, 180)	14.6	7.7	11.1	
Vomiting: Moderate (n = 84, 88, 172)	2.4	0	1.2	
Vomiting: Severe (n = 85, 88, 173)	2.4	0	1.2	
Diarrhea: Any (n = 94, 105, 199)	25.5	34.3	30.2	
Diarrhea: Mild (n = 92, 104, 196)	19.6	29.8	25	
Diarrhea: Moderate (n = 86, 91, 177)	8.1	7.7	7.9	
Diarrhea: Severe (n = 85, 88, 173)	1.2	1.1	1.2	
Muscle Pain: Any (n = 108, 118, 226)	48.1	62.7	55.8	
Muscle Pain: Mild (n = 103, 110, 213)	36.9	56.4	46.9	
Muscle Pain: Moderate (n = 89, 98, 187)	19.1	19.4	19.3	
Muscle Pain: Severe (n = 86, 91, 177)	5.8	5.5	5.6	
Joint Pain: Any (n = 100, 105, 205)	34	42.9	38.5	
Joint Pain: Mild (n = 98, 101, 199)	26.5	36.6	31.7	
Joint Pain: Moderate (n = 89, 95, 184)	12.4	17.9	15.2	
Joint Pain: Severe (n = 84, 91, 175)	4.8	4.4	4.6	
Use of Medication to Treat Pain (n = 101, 96, 197)	33.7	24	28.9	
Use of Medication to Treat Fever (n=112, 107, 219)	44.6	39.3	42	

Notes:

[47] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

[48] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

[49] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Percentage of Pediatric, Adult and All Subjects Reporting Pre-

## Specified Systemic Events: 13vPnC Dose 2

End point title	Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Systemic Events: 13vPnC Dose 2
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End point description:

Specific systemic events (fever  $\geq 38$  degrees Celsius [C], fatigue, headache, vomiting, diarrhea, muscle pain, joint pain, use of medication to treat pain/fever) were prompted for each day, and reported using an e-diary. Fatigue, headache, muscle pain, joint pain were scaled as: Any (symptom present); Mild (did not interfere with activity); Moderate (some interference with activity); Severe (prevented routine daily activity). Vomiting was scaled as: Any (vomiting present); Mild (1-2 times in 24 hours); Moderate ( $>2$  times in 24 hours); Severe (required intravenous hydration). Diarrhea was scaled as: Any (diarrhea present); Mild (2-3 loose stools in 24 hours); Moderate (4-5 loose stools 24 hours); Severe ( $\geq 6$  loose stools in 24 hours). All reporting of fever  $>40$  degrees C and all reporting of severe vomiting, after 13vPnC Dose 2, were confirmed as data entry errors. Safety population.n=subjects with known values for specified systemic event. Subjects may be represented in more than 1 category.

End point type	Other pre-specified
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End point timeframe:

Within 14 days after 13vPnC Dose 2

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	123 <sup>[50]</sup>	120 <sup>[51]</sup>	243 <sup>[52]</sup>	
Units: percentage of subjects				
number (not applicable)				
Fever: $\geq 38$ degrees C (n = 102, 88, 190)	16.7	11.4	14.2	
Fever: $\geq 38$ , $<38.5$ degrees C (n = 96, 87, 183)	7.3	9.2	8.2	
Fever: $\geq 38.5$ , $<39$ degrees C (n = 98, 85, 183)	6.1	1.2	3.8	
Fever: $\geq 39$ , $\leq 40$ degrees C (n = 97, 87, 184)	7.2	3.4	5.4	
Fever: $>40$ degrees C (n = 95, 85, 180)	1.1	1.2	1.1	
Fatigue: Any (n = 106, 105, 211)	33	48.6	40.8	
Fatigue: Mild (n = 104, 103, 207)	24	42.7	33.3	
Fatigue: Moderate (n = 96, 88, 184)	10.4	21.6	15.8	
Fatigue: Severe (n = 95, 88, 183)	7.4	5.7	6.6	
Headache: Any (n = 101, 106, 207)	28.7	49.1	39.1	
Headache: Mild (n = 97, 102, 199)	18.6	40.2	29.6	
Headache: Moderate (n = 97, 93, 190)	13.4	28	20.5	
Headache: Severe (n = 94, 88, 182)	2.1	3.4	2.7	
Vomiting: Any (n = 96, 89, 185)	10.4	10.1	10.3	
Vomiting: Mild (n = 94, 89, 183)	6.4	9	7.7	
Vomiting: Moderate (n = 94, 85, 179)	3.2	1.2	2.2	
Vomiting: Severe (n = 94, 85, 179)	3.2	0	1.7	
Diarrhea: Any (n = 95, 95, 190)	10.5	26.3	18.4	
Diarrhea: Mild (n = 94, 93, 187)	7.4	24.7	16	
Diarrhea: Moderate (n = 93, 87, 180)	3.2	8	5.6	
Diarrhea: Severe (n = 94, 85, 179)	4.3	1.2	2.8	
Muscle Pain: Any (n = 112, 104, 216)	37.5	52.9	44.9	
Muscle Pain: Mild (n = 105, 103, 208)	25.7	46.6	36.1	

Muscle Pain: Moderate (n = 100, 91, 191)	15	20.9	17.8	
Muscle Pain: Severe (n = 95, 85, 180)	5.3	2.4	3.9	
Joint Pain: Any (n = 106, 95, 201)	26.4	34.7	30.3	
Joint Pain: Mild (n = 100, 93, 193)	16	29	22.3	
Joint Pain: Moderate (n = 99, 89, 188)	11.1	12.4	11.7	
Joint Pain: Severe (n = 94, 85, 179)	4.3	2.4	3.4	
Use of Medication to Treat Pain (n = 100, 91, 191)	20	17.6	18.8	
Use of Medication to Treat Fever (n=102, 96, 198)	28.4	26	27.3	

Notes:

[50] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

[51] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

[52] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

## Statistical analyses

No statistical analyses for this end point

## Other pre-specified: Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Systemic Events: 13vPnC Dose 3

End point title	Percentage of Pediatric, Adult and All Subjects Reporting Pre-Specified Systemic Events: 13vPnC Dose 3
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End point description:

Specific systemic events (fever  $\geq 38$  degrees Celsius [C], fatigue, headache, vomiting, diarrhea, muscle pain, joint pain, use of medication to treat pain/fever) were prompted for each day, and reported using an e-diary. Fatigue, headache, muscle pain, joint pain were scaled as: Any (symptom present); Mild (did not interfere with activity); Moderate (some interference with activity); Severe (prevented routine daily activity). Vomiting was scaled as: Any (vomiting present); Mild (1-2 times in 24 hours); Moderate ( $>2$  times in 24 hours); Severe (required intravenous hydration). Diarrhea was scaled as: Any (diarrhea present); Mild (2-3 loose stools in 24 hours); Moderate (4-5 loose stools 24 hours); Severe ( $\geq 6$  loose stools in 24 hours). All reporting of fever  $>40$  degrees C except 1 subject and all reporting of severe vomiting, after 13vPnC Dose 3, were confirmed as data entry errors. Safety population. n=subjects with known values for specified systemic event. Subjects may be represented in more than 1 category.

End point type	Other pre-specified
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End point timeframe:

Within 14 days after 13vPnC Dose 3

End point values	13vPnC, 23vPS (Pediatric Subjects)	13vPnC, 23vPS (Adult Subjects)	13vPnC, 23vPS (All Subjects)	
Subject group type	Reporting group	Reporting group	Subject analysis set	
Number of subjects analysed	106 <sup>[53]</sup>	113 <sup>[54]</sup>	219 <sup>[55]</sup>	
Units: percentage of subjects				
number (not applicable)				
Fever: $\geq 38$ degrees C (n = 85, 73, 158)	10.6	11	10.8	
Fever: $\geq 38$ , $<38.5$ degrees C (n = 82, 73, 155)	6.1	5.5	5.8	
Fever: $\geq 38.5$ , $<39$ degrees C (n = 81, 72, 153)	2.5	5.6	3.9	
Fever: $\geq 39$ , $\leq 40$ degrees C (n = 82, 70, 152)	2.4	2.9	2.6	
Fever: $>40$ degrees C (n = 83, 70, 153)	3.6	1.4	2.6	

Fatigue: Any (n = 92, 91, 183)	25	47.3	36.1	
Fatigue: Mild (n = 89, 88, 177)	20.2	39.8	29.9	
Fatigue: Moderate (n = 83, 80, 163)	6	25	15.3	
Fatigue: Severe (n = 83, 73, 156)	4.8	8.2	6.4	
Headache: Any (n = 88, 89, 177)	18.2	46.1	32.2	
Headache: Mild (n = 84, 87, 171)	10.7	41.4	26.3	
Headache: Moderate (n = 83, 77, 160)	8.4	19.5	13.8	
Headache: Severe (n = 82, 72, 154)	3.7	6.9	5.2	
Vomiting: Any (n = 85, 74, 159)	8.2	9.5	8.8	
Vomiting: Mild (n = 84, 72, 156)	7.1	5.6	6.4	
Vomiting: Moderate (n = 82, 73, 155)	2.4	5.5	3.9	
Vomiting: Severe (n = 81, 72, 153)	1.2	2.8	2	
Diarrhea: Any (n = 81, 81, 162)	4.9	28.4	16.7	
Diarrhea: Mild (n = 81, 79, 160)	4.9	25.3	15	
Diarrhea: Moderate (n = 80, 73, 153)	1.3	6.8	3.9	
Diarrhea: Severe (n = 81, 73, 154)	1.2	4.1	2.6	
Muscle Pain: Any (n = 99, 92, 191)	37.4	47.8	42.4	
Muscle Pain: Mild (n = 93, 89, 182)	25.8	37.1	31.3	
Muscle Pain: Moderate (n = 85, 78, 163)	12.9	24.4	18.4	
Muscle Pain: Severe (n = 84, 72, 156)	8.3	5.6	7.1	
Joint Pain: Any (n = 91, 83, 174)	24.2	32.5	28.2	
Joint Pain: Mild (n = 88, 82, 170)	15.9	28	21.8	
Joint Pain: Moderate (n = 82, 77, 159)	7.3	15.6	11.3	
Joint Pain: Severe (n = 81, 71, 152)	2.5	2.8	2.6	
Use of Medication to Treat Pain (n = 90, 79, 169)	17.8	21.5	19.5	
Use of Medication to Treat Fever (n = 89, 75, 164)	20.2	20	20.1	

Notes:

[53] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

[54] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

[55] - "Number of subjects analyzed" signifies subjects with known values for any systemic event.

## Statistical analyses

No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Informed consent through 6-month follow-up after 13vPnC Dose 3. Local reactions(LRs),systemic events(SEs) assessed within 14 days after: 13vPnC Dose 1(Day 1); 13vPnC Dose 2(28-42 days after 13vPnC Dose 1); and 13vPnC Dose 3(28-42 days after 13vPnC Dose 2)

Adverse event reporting additional description:

Adverse Event (AE) may be reported as both serious/non-serious, but are distinct events. AE may=serious for 1 subject, non-serious for another or subject may have experienced both serious, non-serious AE. AEs/SAEs=non-systematic assessment; LRs/SEs=systematic assessment. Here 0.0 is mentioned for dictionary version as version was not captured.

Assessment type	Non-systematic
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### Dictionary used

Dictionary name	MedDRA
Dictionary version	16.0

### Reporting groups

Reporting group title	Prior 13vPnC Dose 1
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Reporting group description:

Subjects  $\geq 6$  years of age (all subjects) who received at least 1 of 3 doses of 0.5 mL of 13vPnC intramuscularly 1 month apart, followed by 1 dose of 0.5 mL of 23vPS intramuscularly 1 month after 13vPnC Dose 3 (23vPS Dose), assessed between signing of informed consent form and before 13vPnC Dose 1.

Reporting group title	13vPnC Dose 1
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Reporting group description:

Subjects  $\geq 6$  years of age (all subjects) who received a single dose of 0.5 mL of 13vPnC intramuscularly on Day 1 (13vPnC Dose 1), assessed between 13vPnC Dose 1 and before 13vPnC Dose 2.

Reporting group title	13vPnC Dose 2
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Reporting group description:

Subjects  $\geq 6$  years of age (all subjects) who received a single dose of 0.5 mL of 13vPnC intramuscularly 1 month after 13vPnC Dose 1 (13vPnC Dose 2), assessed between 13vPnC Dose 2 and before 13vPnC Dose 3.

Reporting group title	13vPnC Dose 3
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Reporting group description:

Subjects  $\geq 6$  years of age (all subjects) who received a single dose of 0.5 mL of 13vPnC intramuscularly 1 month after 13vPnC Dose 2 (13vPnC Dose 3), assessed between 13vPnC Dose 3 and before 23vPS Dose.

Reporting group title	23vPS Dose
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Reporting group description:

Subjects  $\geq 6$  years of age (all subjects) who received a single dose of 0.5 mL of 23vPS intramuscularly 1 month after 13vPnC Dose 3 (23vPS Dose), assessed between 23vPS Dose and before 23vPS Dose blood draw 1 month after 23vPS Dose.

Reporting group title	Follow-up
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Reporting group description:

Subjects  $\geq 6$  years of age (all subjects) who received 3 doses of 0.5 mL of 13vPnC intramuscularly 1 month apart, followed by 1 dose of 0.5 mL of 23vPS intramuscularly 1 month after 13vPnC Dose 3 (23vPS Dose), assessed from 23vPS blood draw to the 6-month follow-up telephone contact after 13vPnC Dose 3.



<b>Serious adverse events</b>	Prior 13vPnC Dose 1	13vPnC Dose 1	13vPnC Dose 2
Total subjects affected by serious adverse events			
subjects affected / exposed	1 / 301 (0.33%)	1 / 301 (0.33%)	4 / 290 (1.38%)
number of deaths (all causes)	0	0	0
number of deaths resulting from adverse events			
Injury, poisoning and procedural complications			
Road traffic accident			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Nervous system disorders			
Convulsion			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 1	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Blood and lymphatic system disorders			
Lymphadenopathy			
subjects affected / exposed	1 / 301 (0.33%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences causally related to treatment / all	0 / 1	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Gastrointestinal disorders			
Haemorrhoids			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Infections and infestations			
Lobar pneumonia			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Pharyngitis bacterial			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Tonsillitis			

subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Croup infectious			
subjects affected / exposed	1 / 301 (0.33%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences causally related to treatment / all	0 / 1	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0

<b>Serious adverse events</b>	13vPnC Dose 3	23vPS Dose	Follow-up
Total subjects affected by serious adverse events			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	1 / 282 (0.35%)
number of deaths (all causes)	1	0	0
number of deaths resulting from adverse events	0		
Injury, poisoning and procedural complications			
Road traffic accident			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 1	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 1	0 / 0	0 / 0
Nervous system disorders			
Convulsion			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Blood and lymphatic system disorders			
Lymphadenopathy			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Gastrointestinal disorders			
Haemorrhoids			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Infections and infestations			
Lobar pneumonia			

subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Pharyngitis bacterial			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	1 / 282 (0.35%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Tonsillitis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Croup infectious			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0

Frequency threshold for reporting non-serious adverse events: 0 %

<b>Non-serious adverse events</b>	Prior 13vPnC Dose 1	13vPnC Dose 1	13vPnC Dose 2
Total subjects affected by non-serious adverse events			
subjects affected / exposed	16 / 301 (5.32%)	216 / 301 (71.76%)	171 / 290 (58.97%)
Vascular disorders			
Hypertension			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
General disorders and administration site conditions			
Fatigue			
subjects affected / exposed	0 / 301 (0.00%)	3 / 301 (1.00%)	0 / 290 (0.00%)
occurrences (all)	0	3	0
Pyrexia			
subjects affected / exposed	0 / 301 (0.00%)	2 / 301 (0.66%)	2 / 290 (0.69%)
occurrences (all)	0	3	2
Influenza like illness			

subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
Injection site pain			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Injection site reaction			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Injection site swelling			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Vaccination site swelling			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Fever ( $\geq 38^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative assessment type: Systematic			
subjects affected / exposed <sup>[1]</sup>	0 / 301 (0.00%)	35 / 189 (18.52%)	27 / 190 (14.21%)
occurrences (all)	0	35	27
Fever ( $\geq 38^{\circ}\text{C}$ but $< 38.5^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed for 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[2]</sup>	0 / 301 (0.00%)	15 / 179 (8.38%)	15 / 183 (8.20%)
occurrences (all)	0	15	15
Fever ( $\geq 38.5^{\circ}\text{C}$ but $< 39^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[3]</sup>	0 / 301 (0.00%)	5 / 174 (2.87%)	7 / 183 (3.83%)
occurrences (all)	0	5	7
Fever ( $\geq 39^{\circ}\text{C}$ but $\leq 40^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type:			

Systematic			
subjects affected / exposed <sup>[4]</sup>	0 / 301 (0.00%)	6 / 174 (3.45%)	10 / 184 (5.43%)
occurrences (all)	0	6	10
Fever (>40°C)	Additional description: Subjects affected, occurrences for LRs,SEs is same as data collected through e-diaries cannot distinguish 1 occurrence from another within a subject. All temperature >40°C were confirmed as data entry errors except 1 subject at Dose 3.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[5]</sup>	0 / 301 (0.00%)	14 / 181 (7.73%)	2 / 180 (1.11%)
occurrences (all)	0	14	2
Fatigue (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[6]</sup>	0 / 301 (0.00%)	123 / 230 (53.48%)	86 / 211 (40.76%)
occurrences (all)	0	123	86
Fatigue (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[7]</sup>	0 / 301 (0.00%)	93 / 218 (42.66%)	69 / 207 (33.33%)
occurrences (all)	0	93	69
Fatigue (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[8]</sup>	0 / 301 (0.00%)	53 / 195 (27.18%)	29 / 184 (15.76%)
occurrences (all)	0	53	29
Fatigue (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[9]</sup>	0 / 301 (0.00%)	16 / 178 (8.99%)	12 / 183 (6.56%)
occurrences (all)	0	16	12
Headache (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one		

occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.			
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[10]</sup> occurrences (all)	0 / 301 (0.00%) 0	111 / 220 (50.45%) 111	81 / 207 (39.13%) 81
Headache (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[11]</sup> occurrences (all)	0 / 301 (0.00%) 0	96 / 209 (45.93%) 96	59 / 199 (29.65%) 59
Headache (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[12]</sup> occurrences (all)	0 / 301 (0.00%) 0	39 / 191 (20.42%) 39	39 / 190 (20.53%) 39
Headache (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[13]</sup> occurrences (all)	0 / 301 (0.00%) 0	14 / 176 (7.95%) 14	5 / 182 (2.75%) 5
Vomiting (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[14]</sup> occurrences (all)	0 / 301 (0.00%) 0	23 / 180 (12.78%) 23	19 / 185 (10.27%) 19
Vomiting (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			

subjects affected / exposed <sup>[15]</sup>	0 / 301 (0.00%)	20 / 180 (11.11%)	14 / 183 (7.65%)
occurrences (all)	0	20	14
Vomiting (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[16]</sup>	0 / 301 (0.00%)	2 / 172 (1.16%)	4 / 179 (2.23%)
occurrences (all)	0	2	4
Vomiting (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. All reporting of severe vomiting were confirmed as data entry errors.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[17]</sup>	0 / 301 (0.00%)	2 / 173 (1.16%)	3 / 179 (1.68%)
occurrences (all)	0	2	3
Diarrhea (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[18]</sup>	0 / 301 (0.00%)	60 / 199 (30.15%)	35 / 190 (18.42%)
occurrences (all)	0	60	35
Diarrhea (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[19]</sup>	0 / 301 (0.00%)	49 / 196 (25.00%)	30 / 187 (16.04%)
occurrences (all)	0	49	30
Diarrhea (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed for 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[20]</sup>	0 / 301 (0.00%)	14 / 177 (7.91%)	10 / 180 (5.56%)
occurrences (all)	0	14	10
Diarrhea (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		

<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[21]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	2 / 173 (1.16%)	5 / 179 (2.79%)
Muscle pain (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[22]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	126 / 226 (55.75%)	97 / 216 (44.91%)
Muscle pain (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[23]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	100 / 213 (46.95%)	75 / 208 (36.06%)
Muscle pain (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[24]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	36 / 187 (19.25%)	34 / 191 (17.80%)
Muscle pain (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. Version not captured, here 0.0 is mentioned for dictionary version.		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[25]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	10 / 177 (5.65%)	7 / 180 (3.89%)
Joint pain (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p>			



subjects affected / exposed <sup>[26]</sup>	0 / 301 (0.00%)	79 / 205 (38.54%)	61 / 201 (30.35%)
occurrences (all)	0	79	61
Joint pain (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[27]</sup>	0 / 301 (0.00%)	63 / 199 (31.66%)	43 / 193 (22.28%)
occurrences (all)	0	63	43
Joint pain (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[28]</sup>	0 / 301 (0.00%)	28 / 184 (15.22%)	22 / 188 (11.70%)
occurrences (all)	0	28	22
Joint pain (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[29]</sup>	0 / 301 (0.00%)	8 / 175 (4.57%)	6 / 179 (3.35%)
occurrences (all)	0	8	6
Reproductive system and breast disorders			
Dysmenorrhoea			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
Gynaecomastia			
subjects affected / exposed	1 / 301 (0.33%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	1	0	0
Respiratory, thoracic and mediastinal disorders			
Cough			
subjects affected / exposed	4 / 301 (1.33%)	4 / 301 (1.33%)	3 / 290 (1.03%)
occurrences (all)	4	4	3
Oropharyngeal pain			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0

Rhinorrhoea subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	1 / 290 (0.34%) 1
Upper-airway cough syndrome subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	1 / 290 (0.34%) 1
Wheezing subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	1 / 290 (0.34%) 1
Nasal disorder subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Psychiatric disorders Abnormal dreams subjects affected / exposed occurrences (all)	1 / 301 (0.33%) 1	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Agitation subjects affected / exposed occurrences (all)	1 / 301 (0.33%) 1	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Depression subjects affected / exposed occurrences (all)	1 / 301 (0.33%) 1	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Injury, poisoning and procedural complications Radius fracture subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Lip injury subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	1 / 290 (0.34%) 1
Procedural pain subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	1 / 290 (0.34%) 1
Nervous system disorders Headache subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	3 / 301 (1.00%) 3	1 / 290 (0.34%) 1

Intercostal neuralgia subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Sciatica subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Dizziness subjects affected / exposed occurrences (all)	1 / 301 (0.33%) 1	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Blood and lymphatic system disorders Lymphadenopathy subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Eye disorders Conjunctivitis subjects affected / exposed occurrences (all)	1 / 301 (0.33%) 1	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Gastrointestinal disorders Nausea subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Salivary gland enlargement subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Vomiting subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Abdominal pain subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Gastritis subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Stomatitis subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Abdominal pain upper			

subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Diarrhoea subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Gastroduodenitis subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Skin and subcutaneous tissue disorders			
Eczema subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Exfoliative rash subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	1 / 301 (0.33%) 1	0 / 290 (0.00%) 0
Rash subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Pruritus subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Urticaria subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Redness (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[30]</sup> occurrences (all)	0 / 301 (0.00%) 0	21 / 180 (11.67%) 21	16 / 187 (8.56%) 16
Redness (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0 alternative assessment type: Systematic			

subjects affected / exposed <sup>[31]</sup>	0 / 301 (0.00%)	20 / 179 (11.17%)	12 / 186 (6.45%)
occurrences (all)	0	20	12
Redness (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[32]</sup>	0 / 301 (0.00%)	2 / 173 (1.16%)	4 / 180 (2.22%)
occurrences (all)	0	2	4
Redness (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[33]</sup>	0 / 301 (0.00%)	0 / 172 (0.00%)	1 / 178 (0.56%)
occurrences (all)	0	0	1
Swelling (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[34]</sup>	0 / 301 (0.00%)	38 / 191 (19.90%)	33 / 191 (17.28%)
occurrences (all)	0	38	33
Swelling (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[35]</sup>	0 / 301 (0.00%)	24 / 184 (13.04%)	26 / 190 (13.68%)
occurrences (all)	0	24	26
Swelling (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[36]</sup>	0 / 301 (0.00%)	16 / 181 (8.84%)	12 / 184 (6.52%)
occurrences (all)	0	16	12
Swelling (Severe)	Additional description: Subjects affected, occurrences for LRs, SEs is same as data collected through e-diaries cannot be used to distinguish 1 occurrence from another within subject. LRs, SEs were assessed at 13vPnC Dose 1,2 and 3 only. Swelling(severe)= data entry error.		

<p>alternative dictionary used: Local Reactions 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[37]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	1 / 172 (0.58%)	0 / 178 (0.00%)
Pain at injection site (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Local Reactions 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[38]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	156 / 238 (65.55%)	166 / 236 (70.34%)
Pain at injection site (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Local Reactions 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[39]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	127 / 228 (55.70%)	139 / 227 (61.23%)
Pain at injection site (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Local Reactions 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[40]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	44 / 188 (23.40%)	51 / 199 (25.63%)
Pain at injection site (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
<p>alternative dictionary used: Local Reactions 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[41]</sup></p> <p>occurrences (all)</p>	0 / 301 (0.00%)	9 / 175 (5.14%)	8 / 179 (4.47%)
Musculoskeletal and connective tissue disorders			
Arthralgia			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Pain in extremity			

subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
Myalgia			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Back pain			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Spondylolisthesis			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Scoliosis			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	0 / 290 (0.00%)
occurrences (all)	0	0	0
Infections and infestations			
Influenza			
subjects affected / exposed	0 / 301 (0.00%)	5 / 301 (1.66%)	1 / 290 (0.34%)
occurrences (all)	0	5	1
Gastroenteritis			
subjects affected / exposed	0 / 301 (0.00%)	3 / 301 (1.00%)	0 / 290 (0.00%)
occurrences (all)	0	3	0
Upper respiratory tract infection			
subjects affected / exposed	6 / 301 (1.99%)	3 / 301 (1.00%)	4 / 290 (1.38%)
occurrences (all)	6	3	4
Sinusitis			
subjects affected / exposed	0 / 301 (0.00%)	2 / 301 (0.66%)	1 / 290 (0.34%)
occurrences (all)	0	2	1
Cystitis			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Herpes virus infection			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Oral herpes			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	1 / 290 (0.34%)
occurrences (all)	0	1	1

Otitis media			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Respiratory tract infection			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Rhinitis			
subjects affected / exposed	1 / 301 (0.33%)	1 / 301 (0.33%)	2 / 290 (0.69%)
occurrences (all)	1	1	2
Subcutaneous abscess			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Tinea capitis			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Tonsillitis			
subjects affected / exposed	1 / 301 (0.33%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	1	1	0
Tooth infection			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Viraemia			
subjects affected / exposed	0 / 301 (0.00%)	1 / 301 (0.33%)	0 / 290 (0.00%)
occurrences (all)	0	1	0
Body tinea			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
Lower respiratory tract infection			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
Pharyngitis			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1
Pharyngitis bacterial			
subjects affected / exposed	0 / 301 (0.00%)	0 / 301 (0.00%)	1 / 290 (0.34%)
occurrences (all)	0	0	1



Tooth abscess subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Varicella subjects affected / exposed occurrences (all)	3 / 301 (1.00%) 3	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Impetigo subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Laryngitis subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Pneumonia subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Oral candidiasis subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Parotitis subjects affected / exposed occurrences (all)	1 / 301 (0.33%) 1	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0
Metabolism and nutrition disorders Hypercholesterolaemia subjects affected / exposed occurrences (all)	0 / 301 (0.00%) 0	0 / 301 (0.00%) 0	0 / 290 (0.00%) 0

<b>Non-serious adverse events</b>	13vPnC Dose 3	23vPS Dose	Follow-up
Total subjects affected by non-serious adverse events			
subjects affected / exposed	137 / 286 (47.90%)	31 / 282 (10.99%)	2 / 282 (0.71%)
Vascular disorders			
Hypertension			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
General disorders and administration site conditions			
Fatigue			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0

Pyrexia			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Influenza like illness			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Injection site pain			
subjects affected / exposed	1 / 286 (0.35%)	6 / 282 (2.13%)	0 / 282 (0.00%)
occurrences (all)	1	6	0
Injection site reaction			
subjects affected / exposed	0 / 286 (0.00%)	2 / 282 (0.71%)	0 / 282 (0.00%)
occurrences (all)	0	2	0
Injection site swelling			
subjects affected / exposed	0 / 286 (0.00%)	2 / 282 (0.71%)	0 / 282 (0.00%)
occurrences (all)	0	2	0
Vaccination site swelling			
subjects affected / exposed	0 / 286 (0.00%)	2 / 282 (0.71%)	0 / 282 (0.00%)
occurrences (all)	0	2	0
Fever ( $\geq 38^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative assessment type: Systematic			
subjects affected / exposed <sup>[1]</sup>	17 / 158 (10.76%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	17	0	0
Fever ( $\geq 38^{\circ}\text{C}$ but $< 38.5^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed for 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[2]</sup>	9 / 155 (5.81%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	9	0	0
Fever ( $\geq 38.5^{\circ}\text{C}$ but $< 39^{\circ}\text{C}$ )	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[3]</sup>	6 / 153 (3.92%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	6	0	0

Fever ( $\geq 39^{\circ}\text{C}$ but $\leq 40^{\circ}\text{C}$ )  alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[4]</sup>  occurrences (all)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
	4 / 152 (2.63%) 4	0 / 282 (0.00%) 0	0 / 282 (0.00%) 0
Fever ( $>40^{\circ}\text{C}$ )  alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[5]</sup>  occurrences (all)	Additional description: Subjects affected, occurrences for LRs,SEs is same as data collected through e-diaries cannot distinguish 1 occurrence from another within a subject. All temperature $>40^{\circ}\text{C}$ were confirmed as data entry errors except 1 subject at Dose 3.		
	4 / 153 (2.61%) 4	0 / 282 (0.00%) 0	0 / 282 (0.00%) 0
Fatigue (Any)  alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[6]</sup>  occurrences (all)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
	66 / 183 (36.07%) 66	0 / 282 (0.00%) 0	0 / 282 (0.00%) 0
Fatigue (Mild)  alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[7]</sup>  occurrences (all)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
	53 / 177 (29.94%) 53	0 / 282 (0.00%) 0	0 / 282 (0.00%) 0
Fatigue (Moderate)  alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic subjects affected / exposed <sup>[8]</sup>  occurrences (all)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
	25 / 163 (15.34%) 25	0 / 282 (0.00%) 0	0 / 282 (0.00%) 0
Fatigue (Severe)  alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		

subjects affected / exposed <sup>[9]</sup>	10 / 156 (6.41%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	10	0	0
Headache (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[10]</sup>	57 / 177 (32.20%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	57	0	0
Headache (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[11]</sup>	45 / 171 (26.32%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	45	0	0
Headache (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[12]</sup>	22 / 160 (13.75%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	22	0	0
Headache (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[13]</sup>	8 / 154 (5.19%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	8	0	0
Vomiting (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[14]</sup>	14 / 159 (8.81%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	14	0	0
Vomiting (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		

<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[15]</sup></p> <p>occurrences (all)</p>	<p>10 / 156 (6.41%)</p> <p>10</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Vomiting (Moderate)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[16]</sup></p> <p>occurrences (all)</p>	<p>6 / 155 (3.87%)</p> <p>6</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Vomiting (Severe)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. All reporting of severe vomiting were confirmed as data entry errors.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[17]</sup></p> <p>occurrences (all)</p>	<p>3 / 153 (1.96%)</p> <p>3</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Diarrhea (Any)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[18]</sup></p> <p>occurrences (all)</p>	<p>27 / 162 (16.67%)</p> <p>27</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Diarrhea (Mild)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[19]</sup></p> <p>occurrences (all)</p>	<p>24 / 160 (15.00%)</p> <p>24</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Diarrhea (Moderate)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed for 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p>			

subjects affected / exposed <sup>[20]</sup>	6 / 153 (3.92%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	6	0	0
Diarrhea (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[21]</sup>	4 / 154 (2.60%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	4	0	0
Muscle pain (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[22]</sup>	81 / 191 (42.41%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	81	0	0
Muscle pain (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[23]</sup>	57 / 182 (31.32%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	57	0	0
Muscle pain (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[24]</sup>	30 / 163 (18.40%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	30	0	0
Muscle pain (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. Version not captured, here 0.0 is mentioned for dictionary version.		
alternative dictionary used: Systemic Events 0.0 alternative assessment type: Systematic			
subjects affected / exposed <sup>[25]</sup>	11 / 156 (7.05%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	11	0	0
Joint pain (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		

<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[26]</sup></p> <p>occurrences (all)</p>	<p>49 / 174 (28.16%)</p> <p>49</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Joint pain (Mild)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[27]</sup></p> <p>occurrences (all)</p>	<p>37 / 170 (21.76%)</p> <p>37</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Joint pain (Moderate)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[28]</sup></p> <p>occurrences (all)</p>	<p>18 / 159 (11.32%)</p> <p>18</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Joint pain (Severe)	<p>Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.</p>		
<p>alternative dictionary used: Systemic Events 0.0</p> <p>alternative assessment type: Systematic</p> <p>subjects affected / exposed<sup>[29]</sup></p> <p>occurrences (all)</p>	<p>4 / 152 (2.63%)</p> <p>4</p>	<p>0 / 282 (0.00%)</p> <p>0</p>	<p>0 / 282 (0.00%)</p> <p>0</p>
Reproductive system and breast disorders			
Dysmenorrhoea			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Gynaecomastia			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Respiratory, thoracic and mediastinal disorders			
Cough			
subjects affected / exposed	1 / 286 (0.35%)	4 / 282 (1.42%)	0 / 282 (0.00%)
occurrences (all)	1	4	0
Oropharyngeal pain			

subjects affected / exposed	2 / 286 (0.70%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	2	0	0
Rhinorrhoea			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Upper-airway cough syndrome			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Wheezing			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Nasal disorder			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Psychiatric disorders			
Abnormal dreams			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Agitation			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Depression			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Injury, poisoning and procedural complications			
Radius fracture			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Lip injury			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Procedural pain			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Nervous system disorders			



Headache			
subjects affected / exposed	1 / 286 (0.35%)	2 / 282 (0.71%)	0 / 282 (0.00%)
occurrences (all)	1	2	0
Intercostal neuralgia			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Sciatica			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Dizziness			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Blood and lymphatic system disorders			
Lymphadenopathy			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	1 / 282 (0.35%)
occurrences (all)	0	0	1
Eye disorders			
Conjunctivitis			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Gastrointestinal disorders			
Nausea			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Salivary gland enlargement			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Vomiting			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Abdominal pain			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Gastritis			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Stomatitis			

subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Abdominal pain upper			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Diarrhoea			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Gastroduodenitis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	1 / 282 (0.35%)
occurrences (all)	0	0	1
Skin and subcutaneous tissue disorders			
Eczema			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Exfoliative rash			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Rash			
subjects affected / exposed	2 / 286 (0.70%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	2	0	0
Pruritus			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Urticaria			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Redness (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[30]</sup>	7 / 154 (4.55%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	7	0	0
Redness (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local			

Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[31]</sup>	6 / 153 (3.92%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	6	0	0
Redness (Moderate)	Additional description: Subjects affected and occurrences for LR and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LR and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[32]</sup>	2 / 152 (1.32%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	2	0	0
Redness (Severe)	Additional description: Subjects affected and occurrences for LR and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LR and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[33]</sup>	0 / 150 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Swelling (Any)	Additional description: Subjects affected and occurrences for LR and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LR and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[34]</sup>	19 / 160 (11.88%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	19	0	0
Swelling (Mild)	Additional description: Subjects affected and occurrences for LR and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LR and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[35]</sup>	12 / 157 (7.64%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	12	0	0
Swelling (Moderate)	Additional description: Subjects affected and occurrences for LR and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LR and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			

subjects affected / exposed <sup>[36]</sup>	8 / 154 (5.19%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	8	0	0
Swelling (Severe)	Additional description: Subjects affected, occurrences for LRs, SEs is same as data collected through e-diaries cannot be used to distinguish 1 occurrence from another within subject. LRs, SEs were assessed at 13vPnC Dose 1,2 and 3 only. Swelling(severe)= data entry error.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[37]</sup>	0 / 150 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Pain at injection site (Any)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[38]</sup>	131 / 213 (61.50%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	131	0	0
Pain at injection site (Mild)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[39]</sup>	107 / 201 (53.23%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	107	0	0
Pain at injection site (Moderate)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[40]</sup>	36 / 167 (21.56%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	36	0	0
Pain at injection site (Severe)	Additional description: Subjects affected and occurrences for LRs and SEs is same as data collected through e-diaries cannot be used to distinguish one occurrence from another within a subject/vaccination. LRs and SEs were to be assessed at 13vPnC Dose 1, 2 and 3 only.		
alternative dictionary used: Local Reactions 0.0			
alternative assessment type: Systematic			
subjects affected / exposed <sup>[41]</sup>	8 / 156 (5.13%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	8	0	0
Musculoskeletal and connective tissue disorders			

Arthralgia			
subjects affected / exposed	2 / 286 (0.70%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	2	1	0
Pain in extremity			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Myalgia			
subjects affected / exposed	1 / 286 (0.35%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	1	1	0
Back pain			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Spondylolisthesis			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Scoliosis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	1 / 282 (0.35%)
occurrences (all)	0	0	1
Infections and infestations			
Influenza			
subjects affected / exposed	8 / 286 (2.80%)	3 / 282 (1.06%)	1 / 282 (0.35%)
occurrences (all)	8	3	1
Gastroenteritis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Upper respiratory tract infection			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Sinusitis			
subjects affected / exposed	1 / 286 (0.35%)	1 / 282 (0.35%)	1 / 282 (0.35%)
occurrences (all)	1	1	1
Cystitis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Herpes virus infection			

subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Oral herpes			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Otitis media			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Respiratory tract infection			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Rhinitis			
subjects affected / exposed	4 / 286 (1.40%)	2 / 282 (0.71%)	0 / 282 (0.00%)
occurrences (all)	4	2	0
Subcutaneous abscess			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Tinea capitis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Tonsillitis			
subjects affected / exposed	2 / 286 (0.70%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	2	0	0
Tooth infection			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Viraemia			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Body tinea			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Lower respiratory tract infection			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Pharyngitis			

subjects affected / exposed	1 / 286 (0.35%)	1 / 282 (0.35%)	1 / 282 (0.35%)
occurrences (all)	1	1	1
Pharyngitis bacterial			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Tooth abscess			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Varicella			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0
Impetigo			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Laryngitis			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Pneumonia			
subjects affected / exposed	0 / 286 (0.00%)	1 / 282 (0.35%)	0 / 282 (0.00%)
occurrences (all)	0	1	0
Oral candidiasis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	1 / 282 (0.35%)
occurrences (all)	0	0	1
Parotitis			
subjects affected / exposed	0 / 286 (0.00%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	0	0	0
Metabolism and nutrition disorders			
Hypercholesterolaemia			
subjects affected / exposed	1 / 286 (0.35%)	0 / 282 (0.00%)	0 / 282 (0.00%)
occurrences (all)	1	0	0

Notes:

[1] - The number of subjects exposed to this adverse event is less than the total number of subjects exposed for the reporting group. These numbers are expected to be equal.

Justification: Here number of subjects exposed signifies subjects with known values.

[2] - The number of subjects exposed to this adverse event is less than the total number of subjects exposed for the reporting group. These numbers are expected to be equal.

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## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

Date	Amendment
01 September 2010	<ol style="list-style-type: none"><li>1. Reference to the 7443-V form was removed from the Safety Evaluation section, Adverse Event (AE) and Serious Adverse Event (SAE) Recording and Reporting section, and Serious Adverse Event Reporting Requirements section.</li><li>2. Updated informed consent procedures in Visit 1 (Baseline Visit) to add "If Visit 0 was not applicable, obtain informed consent..." and new text pertaining to determination of AEs or SAEs for subjects who had a Screening Visit was added to Visit 1.</li><li>3. Reporting time lines for SAEs were updated to "24 hours" and wordings "instructing sites to follow-up on reported SAEs by phone" and "A business day was defined as any day except weekends, December 25, and January 1" was removed from the Serious Adverse Event Reporting Requirements section.</li><li>4. Updated commencement of concomitant medications reporting to "Visit 1" and the text "In addition for subjects undergoing Visit 0 (Screening Visit), concomitant medications received following an AE or SAE was recorded at Visit 0" was added to Concomitant Treatment sections.</li><li>5. Subject Discontinuation or Withdrawal section was updated to reflect follow-up for safety reporting applied "If the subject had received at least one dose of investigational product" and that "Subjects who were discontinued prior to Visit 1 were not be followed for safety".</li></ol>
28 February 2012	<ol style="list-style-type: none"><li>1. Section of Adverse Events, revised to reflect EU CT-3 (European Union Clinical Trials - 3) requirements and standard Pfizer safety terminology.</li><li>2. Section of Reporting of Safety Issues and Serious Breaches of the Protocol or ICH (International Conference on Harmonisation) GCP (Good Clinical Practice), was added to clarify the need for immediate notification should there be a clinical hold or similar issue taken for purposes of safety so that Pfizer can fulfill its reporting obligations as sponsor in accordance with local legislation.</li></ol>
28 March 2013	<ol style="list-style-type: none"><li>1. In a Protocol Administrative Changes and Clarifications letter, dated 28 March 2013, the participating sites' requirements to report SAEs after active reporting period in Amendment 3, wording was clarified from "Should an investigator be made aware of any SAE occurring any time after the active reporting period, it must be promptly reported." This was updated as follows: "Serious adverse events occurring to a subject after the active reporting period has ended should be reported to the Sponsor if the investigator becomes aware of them; at a minimum, all serious adverse events that the investigator believes have at least a reasonable possibility of being related to study drug are to be reported to the Sponsor."</li></ol>

Notes:

### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported