



## Clinical trial results:

**A Phase II, non-randomised, open-label study to evaluate the safety and immunogenicity of the adjuvanted (pre-) pandemic H5N1 influenza candidate vaccine following a heterologous prime-boost schedule (six months apart) in children aged 6 to 35 months.**

### Summary

EudraCT number	2011-004734-33
Trial protocol	Outside EU/EEA
Global end of trial date	02 November 2012

### Results information

Result version number	v2
This version publication date	06 July 2018
First version publication date	24 May 2015
Version creation reason	<ul style="list-style-type: none"><li>• Correction of full data set</li></ul> Adverse event (non-serious) information corrected

### Trial information

#### Trial identification

Sponsor protocol code	109825
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#### Additional study identifiers

ISRCTN number	-
ClinicalTrials.gov id (NCT number)	NCT01323946
WHO universal trial number (UTN)	-

Notes:

### Sponsors

Sponsor organisation name	GlaxoSmithKline Biologicals
Sponsor organisation address	Rue de l'Institut 89, Rixensart, Belgium, B-1330
Public contact	Clinical Disclosure Advisor, GlaxoSmithKline Biologicals, 044 2089904466, GSKClinicalSupportHD@gsk.com
Scientific contact	Clinical Disclosure Advisor, GlaxoSmithKline Biologicals, 044 2089904466, GSKClinicalSupportHD@gsk.com

Notes:

### Paediatric regulatory details

Is trial part of an agreed paediatric investigation plan (PIP)	Yes
EMA paediatric investigation plan number(s)	EMA-000160-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	14 February 2013
Is this the analysis of the primary completion data?	Yes
Primary completion date	22 June 2012
Global end of trial reached?	Yes
Global end of trial date	02 November 2012
Was the trial ended prematurely?	No

Notes:

## General information about the trial

Main objective of the trial:

To assess whether a heterologous booster dose of H5N1 (A/turkey/Turkey/1/2005) haemagglutinin (HA) given 6 months following a 2-dose primary vaccination series with H5N1 (A/Indonesia/05/2005) HA elicits an antibody response that meets the European Medicines Agency (EMA) Committee for Medicinal Products for Human Use (CHMP) guidance targets for pre-pandemic vaccine seroconversion rate (SCR)\*, seroprotection rate (SPR)\* and mean geometric increase (MGI)\* based on haemagglutination inhibition (HI) responses to A/turkey/Turkey/1/2005 (H5N1) ten days following booster vaccination.

Protection of trial subjects:

Vaccines were administered by qualified and trained personnel. Vaccines were administered only to eligible subjects that had no contraindications to any components of the vaccines.

Background therapy: -

Evidence for comparator: -

Actual start date of recruitment	18 April 2011
Long term follow-up planned	No
Independent data monitoring committee (IDMC) involvement?	No

Notes:

## Population of trial subjects

### Subjects enrolled per country

Country: Number of subjects enrolled	Australia: 29
Country: Number of subjects enrolled	Singapore: 84
Worldwide total number of subjects	113
EEA total number of subjects	0

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)	80
Children (2-11 years)	33
Adolescents (12-17 years)	0
Adults (18-64 years)	0
From 65 to 84 years	0

85 years and over	0
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## Subject disposition

### Recruitment

Recruitment details: -

### Pre-assignment

Screening details:

During the screening the following steps occurred: check for inclusion/exclusion criteria, contraindications/precautions, medical history of the subjects and signing informed consent forms.

### Period 1

Period 1 title	Overall (overall period)
Is this the baseline period?	Yes
Allocation method	Non-randomised - controlled
Blinding used	Not blinded

### Arms

Are arms mutually exclusive?	Yes
<b>Arm title</b>	GSK1562902A 6<12 M Group

Arm description:

Subjects between 6 and 12 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

Arm type	Experimental
Investigational medicinal product name	GSK1562902A vaccine
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Injection
Routes of administration	Intramuscular use

Dosage and administration details:

The vaccine was administered intramuscularly in the anterolateral thigh

<b>Arm title</b>	GSK1562902A 12<24 M Group
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Arm description:

Subjects between 12 and 24 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

Arm type	Experimental
Investigational medicinal product name	GSK1562902A vaccine
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Injection
Routes of administration	Intramuscular use

Dosage and administration details:

The vaccine was administered intramuscularly in the deltoid region of arm

Investigational medicinal product name	GSK1562902A vaccine
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Injection
Routes of administration	Intramuscular use

Dosage and administration details:

The vaccine was administered intramuscularly in the deltoid region of arm

<b>Arm title</b>	GSK1562902A 24<36 M Group
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**Arm description:**

Subjects between 24 and 36 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

Arm type	Experimental
Investigational medicinal product name	GSK1562902A vaccine
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Injection
Routes of administration	Intramuscular use

**Dosage and administration details:**

The vaccine was administered intramuscularly in the deltoid region of arm

<b>Number of subjects in period 1</b>	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group
Started	46	34	33
Completed	43	31	33
Not completed	3	3	0
Consent withdrawn by subject	3	3	-

## Baseline characteristics

### Reporting groups

Reporting group title	GSK1562902A 6<12 M Group
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Reporting group description:

Subjects between 6 and 12 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

Reporting group title	GSK1562902A 12<24 M Group
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Reporting group description:

Subjects between 12 and 24 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

Reporting group title	GSK1562902A 24<36 M Group
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Reporting group description:

Subjects between 24 and 36 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

Reporting group values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group
Number of subjects	46	34	33
Age categorical Units: Subjects			
In utero Preterm newborn infants (gestational age < 37 wks) Newborns (0-27 days) Infants and toddlers (28 days-23 months) Children (2-11 years) Adolescents (12-17 years) Adults (18-64 years) From 65-84 years 85 years and over			
Age continuous Units: months			
arithmetic mean	8.3	16.1	29.6
standard deviation	± 1.56	± 3.44	± 3.38
Gender categorical Units: Subjects			
Female	25	19	19
Male	21	15	14

Reporting group values	Total		
Number of subjects	113		
Age categorical Units: Subjects			
In utero Preterm newborn infants (gestational age < 37 wks) Newborns (0-27 days)	0 0 0		

Infants and toddlers (28 days-23 months)	0		
Children (2-11 years)	0		
Adolescents (12-17 years)	0		
Adults (18-64 years)	0		
From 65-84 years	0		
85 years and over	0		
Age continuous Units: months arithmetic mean standard deviation	-		
Gender categorical Units: Subjects			
Female	63		
Male	50		

### Subject analysis sets

Subject analysis set title	GSK1562902A Group
Subject analysis set type	Sub-group analysis

Subject analysis set description:

Subjects received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.

<b>Reporting group values</b>	GSK1562902A Group		
Number of subjects	113		
Age categorical Units: Subjects			
In utero Preterm newborn infants (gestational age < 37 wks) Newborns (0-27 days) Infants and toddlers (28 days-23 months) Children (2-11 years) Adolescents (12-17 years) Adults (18-64 years) From 65-84 years 85 years and over			
Age continuous Units: months arithmetic mean standard deviation	16.9 ± 9.29		
Gender categorical Units: Subjects			
Female	63		
Male	50		

## End points

### End points reporting groups

Reporting group title	GSK1562902A 6<12 M Group
Reporting group description: Subjects between 6 and 12 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.	
Reporting group title	GSK1562902A 12<24 M Group
Reporting group description: Subjects between 12 and 24 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.	
Reporting group title	GSK1562902A 24<36 M Group
Reporting group description: Subjects between 24 and 36 months of age, who received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.	
Subject analysis set title	GSK1562902A Group
Subject analysis set type	Sub-group analysis
Subject analysis set description: Subjects received 2 primary doses of A/Indonesia/05/2005 H5N1 vaccine on Days 0 and 21 and 1 booster dose of the A/turkey/Turkey/1/2005 H5N1 vaccine on Day 182.	

### Primary: Number of seroconverted subjects in terms of HI antibodies

End point title	Number of seroconverted subjects in terms of HI antibodies <sup>[1]</sup>
End point description: HI antibody concentration against A/turkey/Turkey/01/2005	
End point type	Primary
End point timeframe: At Day 192	

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: The scope of this primary endpoint was descriptive, no statistical analyses were conducted.

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	83			
Units: Subjects				
A/turkey/Turkey/01/2005.HA [Day 192]	83			

### Statistical analyses

No statistical analyses for this end point

### Primary: Geometric mean of the within-subject ratios

End point title	Geometric mean of the within-subject ratios <sup>[2]</sup>
End point description: HI antibody concentration against Flu A/Turk/01/05 (H5N1)	



End point type	Primary
End point timeframe:	
At Day 192	
Notes:	
[2] - 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: The scope of this primary endpoint was descriptive, no statistical analyses were conducted.	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	83			
Units: Titers				
geometric mean (confidence interval 95%)				
Flu A/Turk/01/05 (H5N1).HA [Day 192]	357.7 (302.4 to 423.2)			

### Statistical analyses

No statistical analyses for this end point

### Primary: Number of seroprotected subjects for HI antibodies

End point title	Number of seroprotected subjects for HI antibodies <sup>[3]</sup>
End point description:	
HI antibody concentration against A/turkey/Turkey/01/2005	
End point type	Primary
End point timeframe:	
At Day 192	
Notes:	
[3] - 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: The scope of this primary endpoint was descriptive, no statistical analyses were conducted.	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	83			
Units: Subjects				
A/turkey/Turkey/01/2005.HA [Day192]	83			

### Statistical analyses

No statistical analyses for this end point

### Secondary: HI antibody titers

End point title	HI antibody titers
End point description:	
HI antibody concentration against A/Indonezia/05/2005	

End point type	Secondary
End point timeframe:	
At Day 0, Day 42, Day 182, Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Titers				
geometric mean (confidence interval 95%)				
A/Indonesia/05/2005.HA [Day 0]	5 (5 to 5)			
A/Indonesia/05/2005.HA [Day 42]	1078.6 (935.3 to 1243.7)			
A/Indonesia/05/2005.HA [Day 182]	147.2 (129.6 to 167.1)			
A/Indonesia/05/2005.HA [Day 192]	1787.6 (1552.4 to 2058.3)			
A/Indonesia/05/2005.HA [Day 364]	1043.3 (886.1 to 1228.4)			

### Statistical analyses

No statistical analyses for this end point

### Secondary: HI antibody titers

End point title	HI antibody titers
End point description:	
HI antibody concentration against A/turkey/Turkey/01/2005	
End point type	Secondary
End point timeframe:	
At Day 0, Day 182, Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Titers				
geometric mean (confidence interval 95%)				
A/turkey/Turkey/01/2005.HA [Day 0]	5.7 (5.2 to 6.2)			
A/turkey/Turkey/01/2005.HA [Day 182]	89.3 (79.1 to 100.7)			
A/turkey/Turkey/01/2005.HA [Day 192]	2026.2 (1731.3 to 2371.3)			

A/turkey/Turkey/01/2005.HA [Day 364]	1266.8 (1080.6 to 1485)			
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### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with anti-HIs antibody concentrations $\geq$ 1:10

End point title	Number of subjects with anti-HIs antibody concentrations $\geq$ 1:10
End point description: HI antibody concentration against A/Indonezia/05/2005	
End point type	Secondary
End point timeframe: At Day 0, Day 42, Day 182, Day 192 and Day 364	

End point values	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Subjects				
A/Indonesia/05/2005.HA [Day 0]	0			
A/Indonesia/05/2005.HA [Day 42]	85			
A/Indonesia/05/2005.HA [Day 182]	83			
A/Indonesia/05/2005.HA [Day 192]	83			
A/Indonesia/05/2005.HA [Day 364]	100			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with anti-HIs antibody concentrations $\geq$ 1:10

End point title	Number of subjects with anti-HIs antibody concentrations $\geq$ 1:10
End point description: HI antibody concentration against A/turkey/Turkey/01/2005	
End point type	Secondary
End point timeframe: At Day 0, Day 182, Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Subjects				
A/turkey/Turkey/01/2005.HA [Day 0]	11			
A/turkey/Turkey/01/2005.HA [Day 182]	83			
A/turkey/Turkey/01/2005.HA [Day 192]	83			
A/turkey/Turkey/01/2005.HA [Day 364]	100			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of seroconverted subjects in terms of HI antibodies

End point title	Number of seroconverted subjects in terms of HI antibodies
End point description:	HI antibody concentration against A/Indonesia/05/2005
End point type	Secondary
End point timeframe:	At Day 42, Day 182, Day 192 and Day 364

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Subjects				
A/Indonesia/05/2005.HA [Day 42]	85			
A/Indonesia/05/2005.HA [Day 182]	83			
A/Indonesia/05/2005.HA [Day 192]	83			
A/Indonesia/05/2005.HA [Day 364]	100			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of seroconverted subjects in terms of HI antibodies

End point title	Number of seroconverted subjects in terms of HI antibodies
End point description:	HI antibody concentration against Flu A/Turk/01/05 (H5N1)
End point type	Secondary
End point timeframe:	At Day 364

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	99			
Units: Subjects				
Flu A/Turk/01/05 (H5N1).HA [Day 364]	95			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of seroprotected subjects for HI antibodies

End point title	Number of seroprotected subjects for HI antibodies
End point description:	
End point type	Secondary
End point timeframe:	
At Day 0 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Subjects				
Flu A/Ind/05/05 (H5N1).HA [Day 0]	0			
Flu A/Ind/05/05 (H5N1).HA [Day 364]	100			
Flu A/Turk/01/05 (H5N1).HA [Day 0]	1			
Flu A/Turk/01/05 (H5N1).HA [Day 364]	100			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Geometric mean of the within-subject ratios for the assessed H5N1 strains

End point title	Geometric mean of the within-subject ratios for the assessed H5N1 strains
End point description:	
End point type	Secondary

End point timeframe:

At Day 364

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	100			
Units: Titers				
geometric mean (confidence interval 95%)				
Flu A/Ind/05/05 (H5N1).HA [Day 364]	208.7 (177.2 to 245.7)			
Flu A/Turk/01/05 (H5N1).HA [Day 364]	14.9 (12.6 to 17.6)			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of seroconverted subjects in terms of HI antibodies

End point title	Number of seroconverted subjects in terms of HI antibodies
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End point description:

HI antibody concentration against A/turkey/Turkey/01/2005.HA

End point type	Secondary
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End point timeframe:

At Day 192 and Day 364

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	99			
Units: Subjects				
A/turkey/Turkey/01/2005.HA [Day 192]	82			
A/turkey/Turkey/01/2005.HA [Day 364]	95			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Booster Factor

End point title	Booster Factor
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End point description:

Booster Factor was defined as the geometric mean of the within-subject ratios of the post-booster

vaccination reciprocal HI titre to the pre-booster (Day 182) reciprocal titre.

End point type	Secondary
End point timeframe:	
At Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	99			
Units: Titers				
geometric mean (confidence interval 95%)				
A/turkey/Turkey/01/2005.HA [Day 192]	22.7 (19.3 to 26.8)			
A/turkey/Turkey/01/2005.HA [Day 364]	14.9 (12.6 to 17.6)			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with serum neutralising antibody titers $\geq$ 1:28

End point title	Number of subjects with serum neutralising antibody titers $\geq$ 1:28
End point description:	
HI antibody concentration against Flu A/Ind/05/05 (H5N1)	
End point type	Secondary
End point timeframe:	
Day 0, Day 42, Day 182, Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	95			
Units: Subjects				
Flu A/Ind/05/05 (H5N1) [Day 0]	1			
Flu A/Ind/05/05 (H5N1) [Day 42]	70			
Flu A/Ind/05/05 (H5N1) [Day 182]	81			
Flu A/Ind/05/05 (H5N1) [Day 192]	83			
Flu A/Ind/05/05 (H5N1) [Day 364]	95			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with serum neutralising antibody titers $\geq$ 1:28

End point title	Number of subjects with serum neutralising antibody titers $\geq$ 1:28
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End point description:

HI antibody concentration against Flu A/Turk/01/05 (H5N1)

End point type	Secondary
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End point timeframe:

Day 0, Day 182, Day 192 and Day 364

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	95			
Units: Subjects				
Flu A/Turk/01/05 (H5N1) [Day 0]	0			
Flu A/Turk/01/05 (H5N1) [Day 182]	81			
Flu A/Turk/01/05 (H5N1) [Day 192]	83			
Flu A/Turk/01/05 (H5N1) [Day 364]	95			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Serum neutralising antibody titres

End point title	Serum neutralising antibody titres
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End point description:

Antibody titers against Flu A/Ind/05/05 (H5N1)

End point type	Secondary
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End point timeframe:

Day 0, Day 42, Day 182, Day 192 and Day 364

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	95			
Units: Titers				
geometric mean (confidence interval 95%)				
Flu A/Ind/05/05 (H5N1) [Day 0]	14.1 (13.9 to 14.4)			
Flu A/Ind/05/05 (H5N1) [Day 42]	1858 (1491.3 to 2315)			



Flu A/Ind/05/05 (H5N1) [Day 182]	448.7 (379 to 531.2)			
Flu A/Ind/05/05 (H5N1) [Day 192]	11215.7 (9797.4 to 12839.2)			
Flu A/Ind/05/05 (H5N1) [Day 364]	4283.3 (3485.8 to 5263.2)			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Serum neutralising antibody titres

End point title	Serum neutralising antibody titres
End point description: HI antibody concentration against Flu A/Turk/01/05 (H5N1)	
End point type	Secondary
End point timeframe: Day 0, Day 182, Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	95			
Units: Titers				
geometric mean (confidence interval 95%)				
Flu A/Turk/01/05 (H5N1) [Day 0]	14 (14 to 14)			
Flu A/Turk/01/05 (H5N1) [Day 182]	125.4 (111.6 to 140.8)			
Flu A/Turk/01/05 (H5N1) [Day 192]	5192.9 (4101.3 to 6575.1)			
Flu A/Turk/01/05 (H5N1) [Day 364]	2610.2 (2085.3 to 3267.2)			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Vaccine response rate for neutralising antibodies

End point title	Vaccine response rate for neutralising antibodies
End point description: Vaccine response rate against Flu A/Ind/05/05 (H5N1)	
End point type	Secondary

End point timeframe:

At Day 42, Day 182, Day 192 and Day 364

End point values	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	83			
Units: Subjects				
Flu A/Ind/05/05 (H5N1) [Day 42]	62			
Flu A/Ind/05/05 (H5N1) [Day 182]	69			
Flu A/Ind/05/05 (H5N1) [Day 192]	72			
Flu A/Ind/05/05 (H5N1) [Day 364]	83			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Vaccine response rate for neutralising antibodies

End point title	Vaccine response rate for neutralising antibodies
End point description:	Vaccine response rate against Flu A/Turk/01/05 (H5N1)
End point type	Secondary
End point timeframe:	At Day 182, Day 192 and Day 364

End point values	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	83			
Units: Subjects				
Flu A/Turk/01/05 (H5N1) Ab [Day 182]	58			
Flu A/Turk/01/05 (H5N1) Ab [Day 192]	72			
Flu A/Turk/01/05 (H5N1) Ab [Day 364]	83			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Booster vaccine response for neutralising antibodies

End point title	Booster vaccine response for neutralising antibodies
End point description:	Booster vaccine response against Flu A/Turk/01/05 (H5N1)

End point type	Secondary
End point timeframe:	
At Day 192 and Day 364	

<b>End point values</b>	GSK1562902A Group			
Subject group type	Subject analysis set			
Number of subjects analysed	79			
Units: Subjects				
Flu A/Turk/01/05 (H5N1) [Day 192]	69			
Flu A/Turk/01/05 (H5N1) [Day 364]	76			

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with any and Grade 3 solicited local symptoms

End point title	Number of subjects with any and Grade 3 solicited local symptoms
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End point description:

End point type	Secondary
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End point timeframe:

During a 7-day follow-up period, i.e. day of vaccination and 6 subsequent days after each vaccination on Day 0, Day 21 and Day 182

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	33	33	112
Units: Subjects				
Any Pain Dose 1	14	5	13	32
Grade 3 Pain Dose 1	2	0	1	3
Any Redness Dose 1	2	0	2	4
Grade 3 Redness Dose 1	0	0	0	0
Any Swelling Dose 1	1	1	1	3
Grade 3 Swelling Dose 1	0	0	0	0
Any Pain Dose 2	10	13	14	37
Grade 3 Pain Dose 2	0	0	1	1
Any Redness Dose 2	3	2	1	6
Grade 3 Redness Dose 2	0	0	0	0
Any Swelling Dose 2	2	2	0	4
Grade 3 Swelling Dose 2	0	0	0	0
Any Pain Dose 3	20	15	18	53

Grade 3 Pain Dose 3	3	1	3	7
Any Redness Dose 3	11	5	2	18
Grade 3 Redness Dose 3	0	0	0	0
Any Swelling Dose 3	5	5	1	11
Grade 3 Swelling Dose 3	0	0	0	0
Any Pain Across doses	26	19	21	66
Grade 3 Pain Across doses	4	1	5	10
Any Redness Across doses	13	6	3	22
Grade 3 Redness Across doses	0	0	0	0
Any Swelling Across doses	6	6	1	13
Grade 3 Swelling Across doses	0	0	0	0

## Statistical analyses

No statistical analyses for this end point

## Secondary: Number of subjects with any, Grade 3 and related solicited general symptoms

End point title	Number of subjects with any, Grade 3 and related solicited general symptoms
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End point description:

End point type	Secondary
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End point timeframe:

During a 7-day follow-up period, i.e. day of vaccination and 6 subsequent days after each vaccination on Day 0, Day 21 and Day 182

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	33	33	112
Units: Subjects				
Any Diarrhoea/vomiting Dose 1	10	6	3	19
Grade 3 Diarrhoea/vomiting Dose 1	1	1	0	2
Related Diarrhoea/vomiting Dose 1	6	1	2	9
Any Drowsiness Dose 1	10	9	5	24
Grade 3 Drowsiness Dose 1	1	0	0	1
Related Drowsiness Dose 1	8	7	5	20
Any Irritability/fussiness Dose 1	21	14	9	44
Grade 3 Irritability/fussiness Dose 1	3	0	0	3
Related Irritability/fussiness Dose 1	19	10	8	37
Any Loss of appetite Dose 1	9	12	6	27
Grade 3 Loss of appetite Dose 1	0	1	0	1
Related Loss of appetite Dose 1	5	8	5	18
Any Fever (Axillary) Dose 1	4	6	4	14
Grade 3 Fever (Axillary) Dose 1	0	2	0	2
Related Fever (Axillary) Dose 1	3	5	3	11

Any Diarrhoea/vomiting Dose 2	8	3	2	13
Grade 3 Diarrhoea/vomiting Dose 2	0	0	0	0
Related Diarrhoea/vomiting Dose 2	7	2	1	10
Any Drowsiness Dose 2	8	12	7	27
Grade 3 Drowsiness Dose 2	1	1	1	3
Related Drowsiness Dose 2	8	10	7	25
Any Irritability/fussiness Dose 2	14	17	10	41
Grade 3 Irritability/fussiness Dose 2	1	3	0	4
Related Irritability/fussiness Dose 2	13	15	10	38
Any Loss of appetite Dose 2	8	6	9	23
Grade 3 Loss of appetite Dose 2	0	1	0	1
Related Loss of appetite Dose 2	8	5	8	21
Any Fever (Axillary) Dose 2	14	12	10	36
Grade 3 Fever (Axillary) Dose 2	2	3	1	6
Related Fever (Axillary) Dose 2	14	12	10	36
Any Diarrhoea/vomiting Dose 3	10	3	3	16
Grade 3 Diarrhoea/vomiting Dose 3	1	0	0	1
Related Diarrhoea/vomiting Dose 3	9	2	1	12
Any Drowsiness Dose 3	16	6	10	32
Grade 3 Drowsiness Dose 3	2	0	1	3
Related Drowsiness Dose 3	16	6	7	29
Any Irritability/fussiness Dose 3	28	15	11	54
Grade 3 Irritability/fussiness Dose 3	7	0	2	9
Related Irritability/fussiness Dose 3	26	15	10	51
Any Loss of appetite Dose 3	16	12	9	37
Grade 3 Loss of appetite Dose 3	2	0	2	4
Related Loss of appetite Dose 3	15	12	7	34
Any Fever (Axillary) Dose 3	20	15	19	54
Grade 3 Fever (Axillary) Dose 3	3	5	3	11
Related Fever (Axillary) Dose 3	19	15	18	52
Any Diarrhoea/vomiting Across doses	17	11	7	35
Grade 3 Diarrhoea/vomiting Across doses	1	1	0	2
Related Diarrhoea/vomiting Across doses	14	5	3	22
Any Drowsiness Across doses	22	18	12	52
Grade 3 Drowsiness Across doses	3	1	2	6
Related Drowsiness Across doses	21	17	12	50
Any Irritability/fussiness Across doses	35	23	15	73
Grade 3 Irritability/fussiness Across doses	10	3	2	15
Related Irritability/fussiness Across doses	35	23	14	72
Any Loss of appetite Across doses	22	18	14	54
Grade 3 Loss of appetite Across doses	2	2	2	6
Related Loss of appetite Across doses	19	17	14	50
Any Fever (Axillary) Across doses	29	19	21	69
Grade 3 Fever (Axillary) Across doses	5	8	4	17
Related Fever (Axillary) Across doses	28	19	20	67

## Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with medically-attended events (MAEs)

End point title	Number of subjects with medically-attended events (MAEs)
-----------------	----------------------------------------------------------

End point description:

End point type	Secondary
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End point timeframe:

During the entire study period

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	34	33	113
Units: Subjects				
Any MAE(s)	29	19	20	68

## Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with potential immune-mediated disease (pIMDs)

End point title	Number of subjects with potential immune-mediated disease (pIMDs)
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End point description:

End point type	Secondary
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End point timeframe:

During the entire study period

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	34	33	113
Units: Subjects				
Any pIMDs	0	0	0	0

## Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with unsolicited adverse events (AEs)

End point title	Number of subjects with unsolicited adverse events (AEs)
End point description:	
End point type	Secondary
End point timeframe:	
During a 21 day follow-up period after each vaccination	

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	34	33	113
Units: Subjects				
Any AE(s)	29	19	24	72
Grade 3 AE(s)	5	3	2	10
Related AE(s)	13	5	7	25

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of subjects with unsolicited adverse events (AEs)

End point title	Number of subjects with unsolicited adverse events (AEs)
End point description:	
End point type	Secondary
End point timeframe:	
Up to Day 84 follow-up period after each vaccination	

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	34	33	113
Units: Subjects				
Any AE(s)	32	23	22	77
Grade 3 AE(s)	4	4	2	10
Related AE(s)	9	3	6	18

## Statistical analyses

No statistical analyses for this end point

## Secondary: Number of subjects with serious adverse events (SAEs)

End point title	Number of subjects with serious adverse events (SAEs)
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End point description:

End point type	Secondary
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End point timeframe:

During the entire study period

End point values	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group	GSK1562902A Group
Subject group type	Reporting group	Reporting group	Reporting group	Subject analysis set
Number of subjects analysed	46	34	33	113
Units: Subjects				
SAEs	5	4	0	9

## Statistical analyses

No statistical analyses for this end point



## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Serious Adverse Events: From Day 0 to Day 364; Solicited local and general symptoms: During the 7-day (Days 0-6) post-vaccination period; Unsolicited adverse events: From Day 0 to Day 84.

Assessment type	Systematic
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### Dictionary used

Dictionary name	MedDRA
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Dictionary version	15.1
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### Reporting groups

Reporting group title	GSK1562902A 6<12 M Group
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Reporting group description: -

Reporting group title	GSK1562902A 12<24 M Group
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Reporting group description: -

Reporting group title	GSK1562902A 24<36 M Group
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Reporting group description: -

<b>Serious adverse events</b>	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group
Total subjects affected by serious adverse events			
subjects affected / exposed	5 / 46 (10.87%)	4 / 34 (11.76%)	0 / 33 (0.00%)
number of deaths (all causes)	0	0	0
number of deaths resulting from adverse events	0	0	0
Injury, poisoning and procedural complications			
Burns second degree			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (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
Gastrointestinal disorders			
Diarrhoea			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (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
Respiratory, thoracic and mediastinal disorders			
Asthma			
alternative assessment type: Non-systematic			

subjects affected / exposed	2 / 46 (4.35%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences causally related to treatment / all	0 / 2	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Wheezing			
alternative assessment type: Non-systematic			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (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
Infections and infestations			
Upper respiratory tract infection			
alternative assessment type: Non-systematic			
subjects affected / exposed	1 / 46 (2.17%)	2 / 34 (5.88%)	0 / 33 (0.00%)
occurrences causally related to treatment / all	0 / 1	0 / 2	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Bronchiolitis			
alternative assessment type: Non-systematic			
subjects affected / exposed	1 / 46 (2.17%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences causally related to treatment / all	0 / 1	0 / 1	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Gastritis viral			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (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
Gastroenteritis			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (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
Gastroenteritis rotavirus			
alternative assessment type: Non-systematic			

subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (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
Gastroenteritis viral			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (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
Lobar pneumonia			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (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
Pneumonia			
alternative assessment type: Non-systematic			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (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
Metabolism and nutrition disorders			
Dehydration			
alternative assessment type: Non-systematic			
subjects affected / exposed	0 / 46 (0.00%)	2 / 34 (5.88%)	0 / 33 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 2	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>	GSK1562902A 6<12 M Group	GSK1562902A 12<24 M Group	GSK1562902A 24<36 M Group
Total subjects affected by non-serious adverse events			
subjects affected / exposed	35 / 46 (76.09%)	23 / 34 (67.65%)	24 / 33 (72.73%)
Vascular disorders			
Haematoma			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences (all)	0	1	0

General disorders and administration site conditions			
Pain			
subjects affected / exposed	27 / 46 (58.70%)	19 / 34 (55.88%)	21 / 33 (63.64%)
occurrences (all)	45	33	45
Swelling			
subjects affected / exposed	6 / 46 (13.04%)	6 / 34 (17.65%)	1 / 33 (3.03%)
occurrences (all)	8	8	2
Pyrexia			
alternative assessment type: Non-systematic			
subjects affected / exposed	31 / 46 (67.39%)	20 / 34 (58.82%)	22 / 33 (66.67%)
occurrences (all)	45	39	40
Chest discomfort			
subjects affected / exposed	0 / 46 (0.00%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	0	0	1
Injection site haematoma			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Injection site induration			
subjects affected / exposed	0 / 46 (0.00%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	0	0	1
Injection site rash			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Injection site scab			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences (all)	0	1	0
Respiratory, thoracic and mediastinal disorders			
Cough			
alternative assessment type: Non-systematic			
subjects affected / exposed	9 / 46 (19.57%)	8 / 34 (23.53%)	2 / 33 (6.06%)
occurrences (all)	13	8	6
Rhinorrhoea			
alternative assessment type: Non-systematic			
subjects affected / exposed	11 / 46 (23.91%)	2 / 34 (5.88%)	3 / 33 (9.09%)
occurrences (all)	12	2	4

Asthma			
subjects affected / exposed	0 / 46 (0.00%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	0	0	1
Choking sensation			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences (all)	0	1	0
Dyspnoea			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Epistaxis			
subjects affected / exposed	0 / 46 (0.00%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	0	0	1
Increased upper airway secretion			
subjects affected / exposed	1 / 46 (2.17%)	2 / 34 (5.88%)	1 / 33 (3.03%)
occurrences (all)	1	2	2
Pharyngeal inflammation			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Wheezing			
subjects affected / exposed	0 / 46 (0.00%)	2 / 34 (5.88%)	0 / 33 (0.00%)
occurrences (all)	0	2	0
Psychiatric disorders			
Irritability			
subjects affected / exposed	35 / 46 (76.09%)	23 / 34 (67.65%)	15 / 33 (45.45%)
occurrences (all)	63	46	30
Investigations			
Body temperature increased			
subjects affected / exposed	1 / 46 (2.17%)	2 / 34 (5.88%)	0 / 33 (0.00%)
occurrences (all)	1	2	0
Injury, poisoning and procedural complications			
Arthropod bite			
subjects affected / exposed	0 / 46 (0.00%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	0	0	1
Contusion			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	1 / 33 (3.03%)
occurrences (all)	0	1	1

Foreign body subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	0 / 34 (0.00%) 0	1 / 33 (3.03%) 1
Ligament sprain subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	1 / 34 (2.94%) 1	0 / 33 (0.00%) 0
Tooth fracture subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	1 / 34 (2.94%) 1	0 / 33 (0.00%) 0
Upper limb fracture subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	0 / 34 (0.00%) 0	1 / 33 (3.03%) 1
Nervous system disorders Dizziness subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	0 / 34 (0.00%) 0	0 / 33 (0.00%) 0
Somnolence subjects affected / exposed occurrences (all)	22 / 46 (47.83%) 34	18 / 34 (52.94%) 27	12 / 33 (36.36%) 22
Ear and labyrinth disorders Ear pain subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	0 / 34 (0.00%) 0	1 / 33 (3.03%) 1
Eye disorders Chalazion subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	0 / 34 (0.00%) 0	0 / 33 (0.00%) 0
Conjunctivitis subjects affected / exposed occurrences (all)	2 / 46 (4.35%) 2	0 / 34 (0.00%) 0	1 / 33 (3.03%) 2
Eye pain subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	0 / 34 (0.00%) 0	0 / 33 (0.00%) 0
Gastrointestinal disorders Diarrhoea subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	1 / 34 (2.94%) 1	2 / 33 (6.06%) 2

Vomiting alternative assessment type: Non-systematic subjects affected / exposed occurrences (all)	17 / 46 (36.96%) 30	11 / 34 (32.35%) 15	10 / 33 (30.30%) 12
Teething alternative assessment type: Non-systematic subjects affected / exposed occurrences (all)	5 / 46 (10.87%) 7	1 / 34 (2.94%) 1	0 / 33 (0.00%) 0
Abdominal pain subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	0 / 34 (0.00%) 0	0 / 33 (0.00%) 0
Abdominal pain upper subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	0 / 34 (0.00%) 0	1 / 33 (3.03%) 1
Constipation subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	1 / 34 (2.94%) 1	0 / 33 (0.00%) 0
Skin and subcutaneous tissue disorders			
Dermatitis diaper alternative assessment type: Non-systematic subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	3 / 34 (8.82%) 3	0 / 33 (0.00%) 0
Eczema alternative assessment type: Non-systematic subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	3 / 34 (8.82%) 3	0 / 33 (0.00%) 0
Blister subjects affected / exposed occurrences (all)	0 / 46 (0.00%) 0	1 / 34 (2.94%) 1	0 / 33 (0.00%) 0
Dry skin subjects affected / exposed occurrences (all)	1 / 46 (2.17%) 1	0 / 34 (0.00%) 0	0 / 33 (0.00%) 0
Erythema subjects affected / exposed occurrences (all)	13 / 46 (28.26%) 16	6 / 34 (17.65%) 7	3 / 33 (9.09%) 5
Pruritus			

subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Rash			
subjects affected / exposed	3 / 46 (6.52%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	3	0	1
Rash macular			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Swelling face			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Urticaria			
subjects affected / exposed	0 / 46 (0.00%)	0 / 34 (0.00%)	3 / 33 (9.09%)
occurrences (all)	0	0	3
Infections and infestations			
Upper respiratory tract infection			
alternative assessment type: Non-systematic			
subjects affected / exposed	9 / 46 (19.57%)	5 / 34 (14.71%)	12 / 33 (36.36%)
occurrences (all)	11	6	14
Nasopharyngitis			
alternative assessment type: Non-systematic			
subjects affected / exposed	3 / 46 (6.52%)	5 / 34 (14.71%)	2 / 33 (6.06%)
occurrences (all)	3	8	2
Rhinitis			
alternative assessment type: Non-systematic			
subjects affected / exposed	5 / 46 (10.87%)	1 / 34 (2.94%)	2 / 33 (6.06%)
occurrences (all)	6	1	2
Bronchiolitis			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences (all)	0	1	0
Candidiasis			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences (all)	0	1	0
Croup infectious			



subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Hand-foot-and-mouth disease			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Otitis media			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	1 / 33 (3.03%)
occurrences (all)	0	1	2
Roseola			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	0 / 33 (0.00%)
occurrences (all)	1	0	0
Sinusitis			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	0 / 33 (0.00%)
occurrences (all)	0	1	0
Tonsillitis			
subjects affected / exposed	0 / 46 (0.00%)	1 / 34 (2.94%)	2 / 33 (6.06%)
occurrences (all)	0	1	2
Varicella			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	1	0	1
Viral rash			
subjects affected / exposed	1 / 46 (2.17%)	0 / 34 (0.00%)	1 / 33 (3.03%)
occurrences (all)	1	0	1
Metabolism and nutrition disorders			
Decreased appetite			
subjects affected / exposed	22 / 46 (47.83%)	18 / 34 (52.94%)	14 / 33 (42.42%)
occurrences (all)	33	30	24

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

Date	Amendment
24 January 2011	<p>Amendment 1</p> <p>The former version of the protocol was published in two versions, due to a technical problem. The first version contained errors in the tables of intensity (Table 15). This version was submitted in Singapore. The second version contained errors in the vaccine tables (Tables 7 and 10), where commas were left out in the volumes. This version was submitted in Australia.</p> <p>This Amendment is based on the latter version of the final protocol. Therefore, track changes on Table 15 will not be found in the amendment, although a difference exists with the version submitted in Singapore. The changes have been brought to the tables as explained under Section 8.2.2.2.1.</p> <p>Additional changes have been brought to clarify the contents of the vials and vaccine doses.</p>
16 June 2011	<p>Amendment 2</p> <p>The protocol was amended to exclude subjects who had a past medical history of infection with a H5N1 virus or vaccination with a H5N1 vaccine. Exclusion criteria were updated accordingly. In addition, procedures for collection of medically-attended adverse events between Day 203 and Day 364 have been clarified.</p>
04 November 2011	<p>Amendment 3</p> <p>With Amendment 3, the protocol was adjusted to document that the age stratification ratio of 2:1:1 for children 6 to 11 months, 12 to 23 months, and 24 to 35 months of age, respectively, will not be maintained due to recruitment difficulties. The overall subjects enrolment goal will not change.</p>

Notes:

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported