



## Clinical trial results:

### A Phase III, Observer-Blind, Randomized Multicenter Study to Evaluate the Safety of Trivalent Subunit Influenza Vaccines, Produced Either in Mammalian Cell Culture (TIVc) or in Embryonated Eggs (TIV), in Children and Adolescents 3 to <18 Years of Age at Risk for Influenza-Related Complications

#### Summary

|                          |                |
|--------------------------|----------------|
| EudraCT number           | 2013-002080-26 |
| Trial protocol           | IT ES          |
| Global end of trial date | 31 July 2014   |

#### Results information

|                                |                 |
|--------------------------------|-----------------|
| Result version number          | v1              |
| This version publication date  | 29 June 2016    |
| First version publication date | 30 January 2015 |

#### Trial information

##### Trial identification

|                       |        |
|-----------------------|--------|
| Sponsor protocol code | V58P15 |
|-----------------------|--------|

##### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT01998477 |
| WHO universal trial number (UTN)   | -           |

Notes:

#### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | Novartis Vaccines and Diagnostics   |
| Sponsor organisation address | Via Fiorentina, 1, Siena, Italy, 53100  |
| Public contact               | Posting Director, Novartis Vaccines and Diagnostics ,<br>RegistryContactVaccinesUS@novartis.com |
| Scientific contact           | Posting Director, Novartis Vaccines and Diagnostics ,<br>RegistryContactVaccinesUS@novartis.com |

Notes:

#### Paediatric regulatory details

|  |                     |
|--|---------------------|
| Is trial part of an agreed paediatric investigation plan (PIP)       | Yes                 |
| EMA paediatric investigation plan number(s)                          | EMA-000124-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:

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**Results analysis stage**

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|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 23 December 2014 |
| Is this the analysis of the primary completion data? | Yes              |
| Primary completion date                              | 31 July 2014     |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 31 July 2014     |
| Was the trial ended prematurely?                     | No               |

Notes:

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**General information about the trial**

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Main objective of the trial:

To evaluate the safety and tolerability of 1 or 2 intramuscular doses (administered 4 weeks apart) of either the cell culture derived influenza vaccine TIVc or the egg derived influenza vaccine TIV in children and adolescents, 3 to < 18 years of age, at risk for influenza related complications.

Protection of trial subjects:

This trial was conducted in accordance with the ethical principles that have their origin in the Declaration of Helsinki, and that are consistent with Good Clinical Practice (GCP), and the applicable regulatory requirement(s) for the country in which the trial was conducted according to International Conference on Harmonisation (ICH) guidelines, and applicable Standard Operating Procedures (SOPs).

Background therapy: -

Evidence for comparator: -

|   |                 |
|---|-----------------|
| Actual start date of recruitment                          | 25 October 2013 |
| Long term follow-up planned                               | No              |
| Independent data monitoring committee (IDMC) involvement? | No              |

Notes:

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**Population of trial subjects**

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**Subjects enrolled per country**

|                                      |            |
|--------------------------------------|------------|
| Country: Number of subjects enrolled | Spain: 327 |
| Country: Number of subjects enrolled | Italy: 103 |
| Worldwide total number of subjects   | 430        |
| EEA total number of subjects         | 430        |

Notes:

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**Subjects enrolled per age group**

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|   |     |
|---|-----|
| 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)                     | 214 |
| Adolescents (12-17 years)                 | 216 |
| Adults (18-64 years)                      | 0   |
| From 65 to 84 years                       | 0   |

|                   |   |
|-------------------|---|
| 85 years and over | 0 |
|-------------------|---|

## Subject disposition

### Recruitment

Recruitment details:

Subjects were recruited from 12 centers in Spain and 4 centers from Italy.

### Pre-assignment

Screening details:

All enrolled subjects were included in the trial

### Period 1

|                              |                           |
|------------------------------|---------------------------|
| Period 1 title               | Enrolled (overall period) |
| Is this the baseline period? | Yes                       |
| Allocation method            | Randomised - controlled   |
| Blinding used                | Double blind              |
| Roles blinded                | Subject, Investigator     |

### Arms

|                              |      |
|------------------------------|------|
| Are arms mutually exclusive? | Yes  |
| <b>Arm title</b>             | TIVc |

Arm description:

Vaccine naïve and non-naïve subjects received one or two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|  |  |
|--|--|
| Arm type                               | Experimental                           |
| Investigational medicinal product name | Cell culture derived influenza vaccine |
| Investigational medicinal product code | V58                                    |
| Other name                             |  |
| Pharmaceutical forms                   | Suspension for injection               |
| Routes of administration               | Intramuscular use                      |

Dosage and administration details:

A 0.5 mL dose of Madin Darby Canine Kidney (MDCK) cell culture derived subunit influenza vaccine TIVc intramuscular (IM) injection.

|                  |      |
|------------------|------|
| <b>Arm title</b> | TIVe |
|------------------|------|

Arm description:

Vaccine naïve and non-naïve subjects received one or two doses of egg derived trivalent subunit influenza vaccine formulation (TIVe)

|  |                                       |
|--|---------------------------------------|
| Arm type                               | Active comparator                     |
| Investigational medicinal product name | Egg derived subunit influenza vaccine |
| Investigational medicinal product code |                                       |
| Other name                             |                                       |
| Pharmaceutical forms                   | Suspension for injection              |
| Routes of administration               | Intramuscular use                     |

Dosage and administration details:

A 0.5 mL dose of a conventional egg derived subunit influenza vaccine (TIV) IM injection

| <b>Number of subjects in period 1</b> | TIVc | TIVe |
|---------------------------------------|------|------|
| Started                               | 282  | 148  |
| Completed                             | 272  | 143  |
| Not completed                         | 10   | 5    |
| Consent withdrawn by subject          | 6    | -    |
| Lost to follow-up                     | 4    | 5    |

## Baseline characteristics

### Reporting groups

|   |      |
|---|------|
| Reporting group title   | TIVc |
| Reporting group description:  |      |
| Vaccine naïve and non-naïve subjects received one or two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc) |      |
| Reporting group title   | TIVe |
| Reporting group description:  |      |
| Vaccine naïve and non-naïve subjects received one or two doses of egg derived trivalent subunit influenza vaccine formulation (TIVe)          |      |

| Reporting group values                             | TIVc | TIVe  | Total |
|--|------|-------|-------|
| Number of subjects                                 | 282  | 148   | 430   |
| Age categorical                                    |      |       |       |
| Units: Subjects                                    |      |       |       |
| In utero   | 0    | 0     | 0     |
| Preterm newborn infants (gestational age < 37 wks) | 0    | 0     | 0     |
| Newborns (0-27 days)                               | 0    | 0     | 0     |
| Infants and toddlers (28 days-23 months)           | 0    | 0     | 0     |
| Children (2-11 years)                              | 140  | 74    | 214   |
| Adolescents (12-17 years)                          | 142  | 74    | 216   |
| Adults (18-64 years)                               | 0    | 0     | 0     |
| From 65-84 years                                   | 0    | 0     | 0     |
| 85 years and over                                  | 0    | 0     | 0     |
| Age continuous                                     |      |       |       |
| Units: years                                       |      |       |       |
| arithmetic mean                                    | 8.7  | 9     |       |
| standard deviation                                 | ± 4  | ± 3.9 | -     |
| Gender categorical                                 |      |       |       |
| Units: Subjects                                    |      |       |       |
| Female   | 121  | 63    | 184   |
| Male   | 161  | 85    | 246   |

## End points

### End points reporting groups

|  |                                       |
|--|---------------------------------------|
| Reporting group title  | TIVc                                  |
| Reporting group description:<br>Vaccine naïve and non-naïve subjects received one or two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)      |                                       |
| Reporting group title  | TIVe                                  |
| Reporting group description:<br>Vaccine naïve and non-naïve subjects received one or two doses of egg derived trivalent subunit influenza vaccine formulation (TIVe)               |                                       |
| Subject analysis set title   | TIVc _inj 1 (3 to <18 Years)          |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine naïve and non-naïve subjects received one or two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc) |                                       |
| Subject analysis set title   | TIVc _inj 2 (3 to <18 Years)          |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine naïve and non-naïve subjects received one or two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc) |                                       |
| Subject analysis set title   | TIV _inj 1 (3 to <18 Years)           |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine naïve and non-naïve subjects received one or two doses of egg derived trivalent subunit influenza vaccine formulation (TIV)           |                                       |
| Subject analysis set title   | TIV _inj 2 (3 to <18 Years)           |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine naïve and non-naïve subjects received one or two doses of egg derived trivalent subunit influenza vaccine formulation (TIV)           |                                       |
| Subject analysis set title   | TIVc_Non naïve _inj 1 (3 to <6 years) |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine non-naïve subjects received one dose of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)                   |                                       |
| Subject analysis set title   | TIVc_naïve _inj 1 (3 to <6 years)     |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine naïve subjects received two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)                      |                                       |
| Subject analysis set title   | TIVc_naïve _inj 2 (3 to <6 years)     |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine naïve subjects received two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)                      |                                       |
| Subject analysis set title   | TIV_Non naïve _inj 1 (3 to <6 years)  |
| Subject analysis set type  | Safety analysis                       |
| Subject analysis set description:<br>Vaccine nonnaïve subjects received one dose of egg derived trivalent subunit influenza vaccine formulation (TIV)                              |                                       |
| Subject analysis set title   | TIV_naïve _inj 1 (3 to <6 years)      |
| Subject analysis set type  | Safety analysis                       |

Subject analysis set description:

Vaccine naïve subjects received two doses of egg derived trivalent subunit influenza vaccine formulation (TIV)

|                            |                                 |
|----------------------------|---------------------------------|
| Subject analysis set title | TIV_naive_inj 2 (3 to <6 years) |
| Subject analysis set type  | Safety analysis                 |

Subject analysis set description:

Vaccine naïve subjects received two doses of egg derived trivalent subunit influenza vaccine formulation (TIV)

|                            |   |
|----------------------------|---|
| Subject analysis set title | TIVc_Non naive_Inj 1 (≥ 6 to < 9 years) |
| Subject analysis set type  | Safety analysis                         |

Subject analysis set description:

Vaccine non-naïve subjects received one dose of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|                            |                                     |
|----------------------------|-------------------------------------|
| Subject analysis set title | TIVc_Naive_inj 1 (≥ 6 to < 9 years) |
| Subject analysis set type  | Safety analysis                     |

Subject analysis set description:

Vaccine naïve subjects received two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|                            |                                     |
|----------------------------|-------------------------------------|
| Subject analysis set title | TIVc_Naive_inj 2 (≥ 6 to < 9 years) |
| Subject analysis set type  | Safety analysis                     |

Subject analysis set description:

Vaccine naïve subjects received two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|                            |  |
|----------------------------|--|
| Subject analysis set title | TIV_Non Naive_inj 1 (≥ 6 to < 9 years) |
| Subject analysis set type  | Safety analysis                        |

Subject analysis set description:

Vaccine non-naïve subjects received one dose of egg derived trivalent subunit influenza vaccine formulation (TIV)

|                            |                                    |
|----------------------------|------------------------------------|
| Subject analysis set title | TIV_Naive_inj 1 (≥ 6 to < 9 years) |
| Subject analysis set type  | Safety analysis                    |

Subject analysis set description:

Vaccine naïve subjects received two doses of egg derived trivalent subunit influenza vaccine formulation (TIV)

|                            |                                    |
|----------------------------|------------------------------------|
| Subject analysis set title | TIV_Naive_inj 2 (≥ 6 to < 9 years) |
| Subject analysis set type  | Safety analysis                    |

Subject analysis set description:

Vaccine naïve subjects received two doses of cell culture derived trivalent subunit influenza vaccine formulation (TIV)

|                            |                            |
|----------------------------|----------------------------|
| Subject analysis set title | TIVc_Naive (3 to <9 Years) |
| Subject analysis set type  | Safety analysis            |

Subject analysis set description:

Vaccine naïve subjects received one dose of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|                            |                                |
|----------------------------|--------------------------------|
| Subject analysis set title | TIVc_Non naive (3 to <9 Years) |
| Subject analysis set type  | Safety analysis                |

Subject analysis set description:

Vaccine non naïve subjects received one dose of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|                            |                                 |
|----------------------------|---------------------------------|
| Subject analysis set title | TIVc_Non naive (9 to <18 Years) |
| Subject analysis set type  | Safety analysis                 |

Subject analysis set description:

Vaccine nonnaïve subjects received one dose of cell culture derived trivalent subunit influenza vaccine formulation (TIVc)

|                            |                           |
|----------------------------|---------------------------|
| Subject analysis set title | TIV_Naive (3 to <9 Years) |
| Subject analysis set type  | Safety analysis           |



Subject analysis set description:

Vaccine naïve subjects received one dose of egg derived trivalent subunit influenza vaccine formulation

|                            |                               |
|----------------------------|-------------------------------|
| Subject analysis set title | TIV_Non naïve (3 to <9 Years) |
| Subject analysis set type  | Safety analysis               |

Subject analysis set description:

Vaccine non naïve subjects received one dose of egg derived trivalent subunit influenza vaccine formulation (TIV)

|                            |                                |
|----------------------------|--------------------------------|
| Subject analysis set title | TIV_Non naïve (9 to <18 Years) |
| Subject analysis set type  | Safety analysis                |

Subject analysis set description:

Vaccine nonnaïve subjects received one dose of egg derived trivalent subunit influenza vaccine formulation (TIV)

**Primary: 1.Number of subjects reporting solicited adverse events (AEs) following vaccination with either TIVc or TIV by overall age group**

|                 |   |
|-----------------|---|
| End point title | 1.Number of subjects reporting solicited adverse events (AEs) following vaccination with either TIVc or TIV by overall age group <sup>[1]</sup> |
|-----------------|---|

End point description:

Safety was assessed in terms of number of the subjects (3 to < 18 years of age) who reported solicited local, systemic AEs as well as other solicited AEs after receiving one or two doses of either TIVc or TIV

|                |         |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

Day 1 through Day 7 post injection 1 and Day 29 through Day 35 post injection 2

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: Statistical analysis not applicable for the outcome measure.

| End point values                     | TIVc _inj 1 (3 to <18 Years) | TIVc _inj 2 (3 to <18 Years) | TIV _inj 1 (3 to <18 Years) | TIV _inj 2 (3 to <18 Years) |
|--------------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|
| Subject group type                   | Subject analysis set         | Subject analysis set         | Subject analysis set        | Subject analysis set        |
| Number of subjects analysed          | 277                          | 83                           | 145                         | 40                          |
| Units: Subjects                      |                              |                              |                             |                             |
| Any Local                            | 149                          | 41                           | 89                          | 18                          |
| Injection Site Tenderness            | 25                           | 20                           | 17                          | 6                           |
| Injection Site Pain                  | 106                          | 19                           | 65                          | 8                           |
| Injection site erythema < 6 years    | 8                            | 3                            | 4                           | 4                           |
| Injection site induration < 6 years  | 7                            | 5                            | 4                           | 3                           |
| Injection site ecchymosis <6 years   | 6                            | 1                            | 3                           | 3                           |
| Injection site erythema >= 6 years   | 16                           | 5                            | 22                          | 3                           |
| Injection site induration >= 6 years | 22                           | 3                            | 23                          | 3                           |
| Injection site ecchymosis >= 6 years | 8                            | 2                            | 5                           | 5                           |
| Any Systemic                         | 117                          | 29                           | 55                          | 8                           |
| Change in eating habits              | 12                           | 6                            | 7                           | 2                           |
| Chills                               | 32                           | 6                            | 9                           | 0                           |
| Diarrhea                             | 19                           | 2                            | 5                           | 3                           |
| Irritability                         | 14                           | 5                            | 7                           | 2                           |
| Sleepiness                           | 10                           | 5                            | 3                           | 2                           |
| Vomiting                             | 18                           | 3                            | 5                           | 1                           |
| Arthralgia                           | 24                           | 0                            | 9                           | 0                           |
| Fatigue                              | 28                           | 4                            | 16                          | 0                           |
| Headache                             | 35                           | 8                            | 24                          | 1                           |
| Loss of appetite                     | 30                           | 5                            | 16                          | 2                           |

|  |    |   |    |   |
|--|----|---|----|---|
| Myalgia                                  | 35 | 5 | 14 | 0 |
| Nausea                                   | 21 | 0 | 12 | 0 |
| Body Temp. ( $\geq 38^{\circ}\text{C}$ ) | 18 | 2 | 6  | 0 |
| Treatment of pain and or Fever           | 28 | 7 | 11 | 1 |
| Prevention of pain and or Fever          | 19 | 2 | 9  | 3 |

## Statistical analyses

No statistical analyses for this end point

### Primary: 2.Number of subjects reporting solicited adverse events (AEs), following vaccination with either TIVc or TIV by age sub-strata

|                 |   |
|-----------------|---|
| End point title | 2.Number of subjects reporting solicited adverse events (AEs), following vaccination with either TIVc or TIV by age sub-strata <sup>[2]</sup> |
|-----------------|---|

End point description:

Safety was assessed in terms of number of the subjects (3 to <6 years ,  $\geq 6$  to < 9 years and 9 to <18 years of age) who reported solicited local,systemic AEs as well as other solicited AEs after receiving one or two doses of either TIVc or TIV

|                |         |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

Day 1 through Day 7 after any vaccination

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: Statistical analysis not applicable for the outcome measure.

| End point values                                   | TIVc_Non<br>naive_inj 1 (3<br>to <6 years) | TIVc_naive_inj<br>1 (3 to <6<br>years) | TIVc_naive_inj<br>2 (3 to <6<br>years) | TIV_Non<br>naive_inj 1 (3<br>to <6 years) |
|--|--|--|--|---|
| Subject group type                                 | Subject analysis set                       | Subject analysis set                   | Subject analysis set                   | Subject analysis set                      |
| Number of subjects analysed                        | 28   | 50                                     | 50                                     | 19  |
| Units: Subjects                                    |  |  |  |   |
| Any Local  | 14   | 19                                     | 22                                     | 12  |
| Tenderness(N=28,49,49,19,15,15,0,0,0,0,0,0,0,0)    | 10   | 15                                     | 20                                     | 11  |
| Pain(N=0,0,0,0,0,0,0,26,32,31,16,22,22,0,0)        | 0  | 0                                      | 0                                      | 0   |
| erythema27,50,50,18,15,15,26,34,32,16,23,23,131,61 | 7  | 1                                      | 3                                      | 4   |
| Induration   | 2  | 5                                      | 5                                      | 2   |
| Injection site ecchymosis                          | 2  | 4                                      | 1                                      | 2   |
| Any Systemic                                       | 10   | 22                                     | 14                                     | 9   |
| Change in eating habits                            | 5  | 7                                      | 6                                      | 3   |
| Chills28,50,48,19,15,14,25,33,31,16,22,23,138,72   | 2  | 5                                      | 3                                      | 2   |
| Diarrhea28,50,50,19,14,15,26,33,31,16,22,23,137,71 | 3  | 1                                      | 1                                      | 1   |
| Irritability                                       | 6  | 8                                      | 5                                      | 5   |
| Sleepiness(N=28,49,48,19,15,15,0,0,0,0,0,0,0,0)    | 4  | 6                                      | 5                                      | 3   |

|  |   |   |   |   |
|--|---|---|---|---|
| Vomiting28,50,50,19,15,15,26,33,31,16,22,23,138,72 | 3 | 4 | 2 | 1 |
| Arthralgia0,0,0,0,0,0,26,32,30,16,20,21,136,72     | 0 | 0 | 0 | 0 |
| Fatigue0,0,0,0,0,0,26,32,30,16,20,21,137,72        | 0 | 0 | 0 | 0 |
| Headache0,0,0,0,0,0,26,32,30,16,20,21,138,72       | 0 | 0 | 0 | 0 |
| Loss<br>appetite0,0,0,0,0,0,26,32,31,16,22,23,1    | 0 | 0 | 0 | 0 |
| Myalgia0,0,0,0,0,0,26,32,30,16,20,21,138,72        | 0 | 0 | 0 | 0 |
| Nausea0,0,0,0,0,0,26,32,30,16,20,21,137,72         | 0 | 0 | 0 | 0 |
| Body Temp. ( $\geq 38^{\circ}\text{C}$ )           | 4 | 8 | 2 | 3 |
| Treatment of pain and or fever                     | 6 | 9 | 3 | 3 |

| End point values                                   | TIV_naive_inj<br>1 (3 to <6<br>years) | TIV_naive_inj<br>2 (3 to <6<br>years) | TIVc_Non<br>naive_Inj 1 ( $\geq$<br>6 to < 9 years) | TIVc_Naive_inj<br>1 ( $\geq$ 6 to < 9<br>years) |
|--|---------------------------------------|---------------------------------------|---|---|
| Subject group type                                 | Subject analysis set                  | Subject analysis set                  | Subject analysis set                                | Subject analysis set                            |
| Number of subjects analysed                        | 15                                    | 15                                    | 26  | 35  |
| Units: Subjects                                    |                                       |                                       |   |   |
| Any Local  | 7                                     | 7                                     | 16  | 19  |
| Tenderness(N=28,49,49,19,15,15,0,0,0,0,0,0,0)      | 6                                     | 6                                     | 0   | 0   |
| Pain(N=0,0,0,0,0,0,26,32,31,16,22,22,0,0)          | 0                                     | 0                                     | 15  | 18  |
| erythema27,50,50,18,15,15,26,34,32,16,23,23,131,61 | 0                                     | 4                                     | 1   | 3   |
| Induration   | 2                                     | 3                                     | 1   | 4   |
| Injection site ecchymosis                          | 1                                     | 3                                     | 2   | 3   |
| Any Systemic                                       | 5                                     | 5                                     | 9   | 18  |
| Change in eating habits                            | 4                                     | 2                                     | 0   | 0   |
| Chills28,50,48,19,15,14,25,33,31,16,22,23,138,72   | 0                                     | 0                                     | 3   | 3   |
| Diarrhea28,50,50,19,14,15,26,33,31,16,22,23,137,71 | 0                                     | 2                                     | 1   | 3   |
| Irritability                                       | 2                                     | 2                                     | 0   | 0   |
| Sleepiness(N=28,49,48,19,15,15,0,0,0,0,0,0,0)      | 0                                     | 2                                     | 0   | 0   |
| Vomiting28,50,50,19,15,15,26,33,31,16,22,23,138,72 | 0                                     | 1                                     | 0   | 3   |
| Arthralgia0,0,0,0,0,0,26,32,30,16,20,21,136,72     | 0                                     | 0                                     | 2   | 4   |
| Fatigue0,0,0,0,0,0,26,32,30,16,20,21,137,72        | 0                                     | 0                                     | 2   | 3   |
| Headache0,0,0,0,0,0,26,32,30,16,20,21,138,72       | 0                                     | 0                                     | 1   | 5   |
| Loss<br>appetite0,0,0,0,0,0,26,32,31,16,22,23,1    | 0                                     | 0                                     | 2   | 8   |

|   |   |   |   |   |
|---|---|---|---|---|
| Myalgia0,0,0,0,0,0,26,32,30,16,20,21,138,72 | 0 | 0 | 4 | 2 |
| Nausea0,0,0,0,0,0,26,32,30,16,20,21,137,72  | 0 | 0 | 1 | 3 |
| Body Temp. ( $\geq 38^{\circ}\text{C}$ )    | 0 | 0 | 1 | 1 |
| Treatment of pain and or fever              | 0 | 1 | 0 | 4 |

| End point values                                   | TIVc_Naive_inj 2 ( $\geq 6$ to $< 9$ years) | TIV_Non Naive_inj 1 ( $\geq 6$ to $< 9$ years) | TIV_Naive_inj 1 ( $\geq 6$ to $< 9$ years) | TIV_Naive_inj 2 ( $\geq 6$ to $< 9$ years) |
|--|---|--|--|--|
| Subject group type                                 | Subject analysis set                        | Subject analysis set                           | Subject analysis set                       | Subject analysis set                       |
| Number of subjects analysed                        | 33  | 16   | 23   | 24   |
| Units: Subjects                                    |   |  |  |  |
| Any Local  | 19  | 8  | 13   | 11   |
| Tenderness(N=28,49,49,19,15,15,0,0,0,0,0,0,0)      | 0   | 0  | 0  | 0  |
| Pain(N=0,0,0,0,0,0,26,32,31,16,22,22,0,0)          | 19  | 8  | 10   | 8  |
| erythema27,50,50,18,15,15,26,34,32,16,23,23,131,61 | 5   | 4  | 5  | 3  |
| Induration   | 3   | 3  | 2  | 3  |
| Injection site ecchymosis                          | 2   | 0  | 3  | 5  |
| Any Systemic                                       | 15  | 5  | 5  | 3  |
| Change in eating habits                            | 0   | 0  | 0  | 0  |
| Chills28,50,48,19,15,14,25,33,31,16,22,23,138,72   | 3   | 1  | 0  | 0  |
| Diarrhea28,50,50,19,14,15,26,33,31,16,22,23,137,71 | 1   | 0  | 0  | 1  |
| Irritability                                       | 0   | 0  | 0  | 0  |
| Sleepiness(N=28,49,48,19,15,15,0,0,0,0,0,0,0)      | 0   | 0  | 0  | 0  |
| Vomiting28,50,50,19,15,15,26,33,31,16,22,23,138,72 | 1   | 1  | 0  | 0  |
| Arthralgia0,0,0,0,0,0,26,32,30,16,20,21,136,72     | 0   | 1  | 1  | 0  |
| Fatigue0,0,0,0,0,0,26,32,30,16,20,21,137,72        | 4   | 2  | 0  | 0  |
| Headache0,0,0,0,0,0,26,32,30,16,20,21,138,72       | 8   | 3  | 2  | 1  |
| Loss appetite0,0,0,0,0,0,26,32,31,16,22,23,1       | 5   | 2  | 2  | 2  |
| Myalgia0,0,0,0,0,0,26,32,30,16,20,21,138,72        | 5   | 2  | 1  | 0  |
| Nausea0,0,0,0,0,0,26,32,30,16,20,21,137,72         | 0   | 2  | 0  | 0  |
| Body Temp. ( $\geq 38^{\circ}\text{C}$ )           | 0   | 0  | 0  | 0  |
| Treatment of pain and or fever                     | 4   | 0  | 2  | 0  |

| End point values | TIVc_Non | TIV_Non naive |  |  |
|------------------|----------|---------------|--|--|
|------------------|----------|---------------|--|--|

|  | naive (9 to<br><18 Years) | (9 to <18<br>Years)  |  |  |
|--|---------------------------|----------------------|--|--|
| Subject group type   | Subject analysis set      | Subject analysis set |  |  |
| Number of subjects analysed                                  | 138                       | 72                   |  |  |
| Units: Subjects  |                           |                      |  |  |
| Any Local<br>Tenderness(N=28,49,49,19,15,15,0,0,0,0,0,0,0,0) | 73<br>0                   | 47<br>0              |  |  |
| Pain(N=0,0,0,0,0,0,26,32,31,16,22,22,0,0)                    | 73                        | 47                   |  |  |
| erythema27,50,50,18,15,15,26,34,32,16,23,23,131,61           | 5                         | 2                    |  |  |
| Induration   | 6                         | 7                    |  |  |
| Injection site ecchymosis                                    | 0                         | 0                    |  |  |
| Any Systemic   | 58                        | 31                   |  |  |
| Change in eating habits                                      | 0                         | 0                    |  |  |
| Chills28,50,48,19,15,14,25,33,31,16,22,23,138,72             | 19                        | 6                    |  |  |
| Diarrhea28,50,50,19,14,15,26,33,31,16,22,23,137,71           | 11                        | 4                    |  |  |
| Irritability   | 0                         | 0                    |  |  |
| Sleepiness(N=28,49,48,19,15,15,0,0,0,0,0,0,0,0)              | 0                         | 0                    |  |  |
| Vomiting28,50,50,19,15,15,26,33,31,16,22,23,138,72           | 8                         | 3                    |  |  |
| Arthralgia0,0,0,0,0,0,26,32,30,16,20,21,136,72               | 18                        | 7                    |  |  |
| Fatigue0,0,0,0,0,0,26,32,30,16,20,21,137,72                  | 23                        | 14                   |  |  |
| Headache0,0,0,0,0,0,26,32,30,16,20,21,138,72                 | 29                        | 19                   |  |  |
| Loss<br>appetite0,0,0,0,0,26,32,31,16,22,23,138,72           | 20                        | 12                   |  |  |
| Myalgia0,0,0,0,0,26,32,30,16,20,21,138,72                    | 29                        | 11                   |  |  |
| Nausea0,0,0,0,0,26,32,30,16,20,21,137,72                     | 17                        | 10                   |  |  |
| Body Temp. ( >= 38C )  | 4                         | 3                    |  |  |
| Treatment of pain and or fever                               | 9                         | 6                    |  |  |

## Statistical analyses

No statistical analyses for this end point

## Primary: 3. Number of subjects reporting unsolicited adverse events following vaccination with either TIVc or TIV

|                 |   |
|-----------------|---|
| End point title | 3. Number of subjects reporting unsolicited adverse events following vaccination with either TIVc or TIV <sup>[3]</sup> |
|-----------------|---|

End point description:

Safety was assessed in terms of number of subjects who reported any unsolicited AEs (four weeks after 1st vaccination and up to three weeks after 2nd vaccination), serious adverse events (SAEs), new onset of chronic diseases (NOCD), medically attended AEs and AEs leading to vaccine/study withdrawal after

receiving one or two doses of either TIVc or TIV by overall age group (3 to <18 years) and age sub-strata (3 to <9 years and 9 to <18 years)

|                |         |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

Day 1 –Day 181(one dose group) Day 1 –Day 209(two dose group)

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: Statistical analysis not applicable for the outcome measure.

| End point values                        | TIVc            | TIVe            | TIVc_Naive (3 to <9 Years) | TIVc_Non naive (3 to <9 Years) |
|---|-----------------|-----------------|----------------------------|--------------------------------|
| Subject group type                      | Reporting group | Reporting group | Subject analysis set       | Subject analysis set           |
| Number of subjects analysed             | 278             | 148             | 85                         | 54                             |
| Units: Subjects                         |                 |                 |                            |                                |
| Any AEs                                 | 213             | 111             | 77                         | 46                             |
| Any possibly related AEs                | 17              | 12              | 7                          | 3                              |
| SAEs                                    | 12              | 4               | 4                          | 2                              |
| Possibly or probably related SAE        | 0               | 0               | 0                          | 0                              |
| AEs leading to NOCD                     | 3               | 1               | 1                          | 0                              |
| Medically Attended AEs                  | 187             | 94              | 71                         | 38                             |
| AEs leading to vaccine/study Withdrawal | 0               | 0               | 0                          | 0                              |
| Deaths                                  | 0               | 0               | 0                          | 0                              |

| End point values                        | TIVc_Non naive (9 to <18 Years) | TIV_Naive (3 to <9 Years) | TIV_Non naive (3 to <9 Years) | TIV_Non naive (9 to <18 Years) |
|---|---------------------------------|---------------------------|-------------------------------|--------------------------------|
| Subject group type                      | Subject analysis set            | Subject analysis set      | Subject analysis set          | Subject analysis set           |
| Number of subjects analysed             | 139                             | 39                        | 35                            | 74                             |
| Units: Subjects                         |                                 |                           |                               |                                |
| Any AEs                                 | 90                              | 32                        | 29                            | 50                             |
| Any possibly related AEs                | 7                               | 5                         | 3                             | 4                              |
| SAEs                                    | 6                               | 0                         | 2                             | 2                              |
| Possibly or probably related SAE        | 0                               | 0                         | 0                             | 0                              |
| AEs leading to NOCD                     | 2                               | 0                         | 1                             | 0                              |
| Medically Attended AEs                  | 78                              | 28                        | 24                            | 42                             |
| AEs leading to vaccine/study Withdrawal | 0                               | 0                         | 0                             | 0                              |
| Deaths                                  | 0                               | 0                         | 0                             | 0                              |

## Statistical analyses

No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

SAEs Day 1 through end of study

Adverse event reporting additional description:

Solicited local, systemic AEs collected -day 1 through Day 7 post injection 1 and Day 29 through Day 35 post injection 2, unsolicited AEs -Day 1 through Day 29 post 1st vaccination and Day 29 to Day 57 post 2nd vaccination. Subjects 9 to <18 years of age were determined to be "previously vaccinated (vaccine non-naïve)" by default

|                 |                |
|-----------------|----------------|
| Assessment type | Non-systematic |
|-----------------|----------------|

### Dictionary used

|                 |        |
|-----------------|--------|
| Dictionary name | MedDRA |
|-----------------|--------|

|                    |      |
|--------------------|------|
| Dictionary version | 17.0 |
|--------------------|------|

### Reporting groups

|                       |      |
|-----------------------|------|
| Reporting group title | TIVc |
|-----------------------|------|

Reporting group description: -

|                       |      |
|-----------------------|------|
| Reporting group title | TIVe |
|-----------------------|------|

Reporting group description:

Vaccine naïve and non-naïve subjects received one or two doses of egg derived trivalent subunit influenza vaccine formulation (TIV)

| Serious adverse events                            | TIVc             | TIVe            |  |
|---|------------------|-----------------|--|
| Total subjects affected by serious adverse events |                  |                 |  |
| subjects affected / exposed                       | 12 / 278 (4.32%) | 4 / 148 (2.70%) |  |
| number of deaths (all causes)                     | 0                | 0               |  |
| number of deaths resulting from adverse events    | 0                | 0               |  |
| Injury, poisoning and procedural complications    |                  |                 |  |
| Post procedural complication                      |                  |                 |  |
| subjects affected / exposed                       | 0 / 278 (0.00%)  | 1 / 148 (0.68%) |  |
| occurrences causally related to treatment / all   | 0 / 0            | 0 / 1           |  |
| deaths causally related to treatment / all        | 0 / 0            | 0 / 0           |  |
| Congenital, familial and genetic disorders        |                  |                 |  |
| Sickle cell anaemia with crisis                   |                  |                 |  |
| subjects affected / exposed                       | 1 / 278 (0.36%)  | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all   | 0 / 1            | 0 / 0           |  |
| deaths causally related to treatment / all        | 0 / 0            | 0 / 0           |  |
| Vascular disorders                                |                  |                 |  |
| Hypertension                                      |                  |                 |  |

|   |                 |                 |  |
|---|-----------------|-----------------|--|
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Nervous system disorders                        |                 |                 |  |
| Complex partial seizures                        |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Headache  |                 |                 |  |
| alternative assessment type: Systematic         |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Toxic encephalopathy                            |                 |                 |  |
| alternative assessment type: Systematic         |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Blood and lymphatic system disorders            |                 |                 |  |
| Lymphadenitis                                   |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Gastrointestinal disorders                      |                 |                 |  |
| Vomiting  |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 1 / 148 (0.68%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Respiratory, thoracic and mediastinal disorders |                 |                 |  |
| Asthmatic crisis                                |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 1 / 148 (0.68%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Bronchopneumopathy                              |                 |                 |  |



|   |                 |                 |  |
|---|-----------------|-----------------|--|
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Bronchospasm                                    |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Psychiatric disorders                           |                 |                 |  |
| Anxiety disorder                                |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Infections and infestations                     |                 |                 |  |
| Gastroenteritis                                 |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Gastroenteritis viral                           |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Mastoiditis                                     |                 |                 |  |
| subjects affected / exposed                     | 0 / 278 (0.00%) | 1 / 148 (0.68%) |  |
| occurrences causally related to treatment / all | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Pharyngotonsillitis                             |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Pneumonia                                       |                 |                 |  |
| subjects affected / exposed                     | 2 / 278 (0.72%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 2           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Metabolism and nutrition disorders              |                 |                 |  |

|   |                 |                 |  |
|---|-----------------|-----------------|--|
| Decreased appetite                              |                 |                 |  |
| subjects affected / exposed                     | 0 / 278 (0.00%) | 1 / 148 (0.68%) |  |
| occurrences causally related to treatment / all | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Hyperglycaemia                                  |                 |                 |  |
| subjects affected / exposed                     | 1 / 278 (0.36%) | 0 / 148 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |

Frequency threshold for reporting non-serious adverse events: 5 %

| Non-serious adverse events                            | TIVc               | TIVe               |  |
|---|--------------------|--------------------|--|
| Total subjects affected by non-serious adverse events |                    |                    |  |
| subjects affected / exposed                           | 246 / 278 (88.49%) | 126 / 148 (85.14%) |  |
| Nervous system disorders                              |                    |                    |  |
| Headache  |                    |                    |  |
| alternative assessment type: Systematic               |                    |                    |  |
| subjects affected / exposed                           | 42 / 278 (15.11%)  | 26 / 148 (17.57%)  |  |
| occurrences (all)                                     | 56                 | 35                 |  |
| Somnolence  |                    |                    |  |
| alternative assessment type: Systematic               |                    |                    |  |
| subjects affected / exposed                           | 14 / 278 (5.04%)   | 5 / 148 (3.38%)    |  |
| occurrences (all)                                     | 17                 | 6                  |  |
| General disorders and administration site conditions  |                    |                    |  |
| Chills  |                    |                    |  |
| alternative assessment type: Systematic               |                    |                    |  |
| subjects affected / exposed                           | 36 / 278 (12.95%)  | 9 / 148 (6.08%)    |  |
| occurrences (all)                                     | 42                 | 9                  |  |
| Fatigue   |                    |                    |  |
| alternative assessment type: Systematic               |                    |                    |  |
| subjects affected / exposed                           | 31 / 278 (11.15%)  | 16 / 148 (10.81%)  |  |
| occurrences (all)                                     | 43                 | 19                 |  |
| Injection Site Erythema                               |                    |                    |  |
| subjects affected / exposed                           | 32 / 278 (11.51%)  | 32 / 148 (21.62%)  |  |
| occurrences (all)                                     | 35                 | 36                 |  |

|  |                           |                         |  |
|--|---------------------------|-------------------------|--|
| Injection Site Haemorrhage<br>subjects affected / exposed<br>occurrences (all)                                     | 17 / 278 (6.12%)<br>17    | 13 / 148 (8.78%)<br>16  |  |
| Injection Site Induration<br>subjects affected / exposed<br>occurrences (all)                                      | 35 / 278 (12.59%)<br>39   | 31 / 148 (20.95%)<br>34 |  |
| Injection Site pain<br>subjects affected / exposed<br>occurrences (all)  | 147 / 278 (52.88%)<br>178 | 86 / 148 (58.11%)<br>97 |  |
| Pyrexia<br>subjects affected / exposed<br>occurrences (all)  | 37 / 278 (13.31%)<br>45   | 21 / 148 (14.19%)<br>25 |  |
| Gastrointestinal disorders   |                           |                         |  |
| Diarrhoea<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)        | 26 / 278 (9.35%)<br>30    | 8 / 148 (5.41%)<br>9    |  |
| Nausea<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)           | 23 / 278 (8.27%)<br>26    | 13 / 148 (8.78%)<br>13  |  |
| Vomiting<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)         | 27 / 278 (9.71%)<br>33    | 16 / 148 (10.81%)<br>16 |  |
| Respiratory, thoracic and mediastinal disorders  |                           |                         |  |
| Asthmatic Crisis<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 18 / 278 (6.47%)<br>32    | 12 / 148 (8.11%)<br>20  |  |
| Bronchospasm<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)     | 13 / 278 (4.68%)<br>19    | 8 / 148 (5.41%)<br>10   |  |
| Cough  |                           |                         |  |

|  |   |   |  |
|--|---|---|--|
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)   | 26 / 278 (9.35%)<br>29  | 10 / 148 (6.76%)<br>12  |  |
| Psychiatric disorders<br>Decraesed Appetite<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br><br>Eating Disorder<br>subjects affected / exposed<br>occurrences (all)<br><br>Irritability<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 33 / 278 (11.87%)<br>38<br><br>17 / 278 (6.12%)<br>19<br><br>17 / 278 (6.12%)<br>23 | 17 / 148 (11.49%)<br>22<br><br>7 / 148 (4.73%)<br>9<br><br>8 / 148 (5.41%)<br>10    |  |
| Musculoskeletal and connective tissue disorders<br>Arthralgia<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br><br>Myalgia<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)   | 27 / 278 (9.71%)<br>29<br><br>40 / 278 (14.39%)<br>47                               | 11 / 148 (7.43%)<br>11<br><br>14 / 148 (9.46%)<br>15                                |  |
| Infections and infestations<br>Bronchitis<br>subjects affected / exposed<br>occurrences (all)<br><br>Gastroenteritis<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br><br>Nasopharyngitis<br>subjects affected / exposed<br>occurrences (all)  | 21 / 278 (7.55%)<br>24<br><br>19 / 278 (6.83%)<br>21<br><br>35 / 278 (12.59%)<br>45 | 12 / 148 (8.11%)<br>16<br><br>10 / 148 (6.76%)<br>14<br><br>19 / 148 (12.84%)<br>23 |  |

|  |                  |                  |  |
|--|------------------|------------------|--|
| Otitis Media Acute                         |                  |                  |  |
| subjects affected / exposed                | 14 / 278 (5.04%) | 3 / 148 (2.03%)  |  |
| occurrences (all)                          | 14               | 3                |  |
| Pharyngitis                                |                  |                  |  |
| alternative assessment type:<br>Systematic |                  |                  |  |
| subjects affected / exposed                | 22 / 278 (7.91%) | 12 / 148 (8.11%) |  |
| occurrences (all)                          | 23               | 14               |  |
| Respiratory Tract Infection                |                  |                  |  |
| alternative assessment type:<br>Systematic |                  |                  |  |
| subjects affected / exposed                | 14 / 278 (5.04%) | 5 / 148 (3.38%)  |  |
| occurrences (all)                          | 16               | 7                |  |
| Tonsillitis                                |                  |                  |  |
| subjects affected / exposed                | 16 / 278 (5.76%) | 6 / 148 (4.05%)  |  |
| occurrences (all)                          | 20               | 6                |  |
| Viral infection                            |                  |                  |  |
| subjects affected / exposed                | 16 / 278 (5.76%) | 6 / 148 (4.05%)  |  |
| occurrences (all)                          | 22               | 9                |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? No

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported